

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121523\
 Data File : VY016658.D
 Acq On : 15 Dec 2023 17:37
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/18/2023
 Supervised By :Semsettin Yesilyurt 12/18/2023

Quant Time: Dec 16 00:09:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121523S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 15 23:53:28 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.801	168	229375	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	371183	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	329476	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	159212	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	105263	56.105	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.200%			
35) Dibromofluoromethane	7.728	113	109811	55.154	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.300%			
50) Toluene-d8	10.191	98	421645	53.560	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.120%			
62) 4-Bromofluorobenzene	12.489	95	137602	53.929	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 107.860%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	78013	43.640	ug/l	95
3) Chloromethane	2.119	50	125695	45.120	ug/l	97
4) Vinyl Chloride	2.259	62	146595	45.840	ug/l	99
5) Bromomethane	2.656	94	99611	43.519	ug/l	98
6) Chloroethane	2.802	64	93527	44.964	ug/l	98
7) Trichlorofluoromethane	3.131	101	156527	43.823	ug/l	99
8) Diethyl Ether	3.534	74	54389	48.747	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.912	101	97574	44.170	ug/l	93
10) Methyl Iodide	4.101	142	104880	45.618	ug/l	95
11) Tert butyl alcohol	4.966	59	35503	234.535	ug/l	100
12) 1,1-Dichloroethene	3.881	96	93515	44.905	ug/l	88
13) Acrolein	3.741	56	25974	239.332	ug/l	99
14) Allyl chloride	4.491	41	132441	46.906	ug/l #	93
15) Acrylonitrile	5.173	53	116581	251.086	ug/l	97
16) Acetone	3.954	43	106576	239.379	ug/l #	86
17) Carbon Disulfide	4.204	76	300001	45.547	ug/l	99
18) Methyl Acetate	4.491	43	89592	51.141	ug/l #	90
19) Methyl tert-butyl Ether	5.234	73	240927	49.341	ug/l	97
20) Methylene Chloride	4.735	84	112066	47.400	ug/l	87
21) trans-1,2-Dichloroethene	5.234	96	109848	45.275	ug/l	95
22) Diisopropyl ether	6.131	45	296142	48.939	ug/l	89
23) Vinyl Acetate	6.070	43	746713	250.431	ug/l #	93
24) 1,1-Dichloroethane	6.027	63	179839	45.542	ug/l	96
25) 2-Butanone	6.996	43	153486	243.023	ug/l	91
26) 2,2-Dichloropropane	6.996	77	158719	45.271	ug/l	97
27) cis-1,2-Dichloroethene	6.996	96	120939	46.157	ug/l	91
28) Bromochloromethane	7.350	49	79098	56.228	ug/l	90
29) Tetrahydrofuran	7.356	42	95726	262.511	ug/l	88
30) Chloroform	7.515	83	188218	45.831	ug/l	95
31) Cyclohexane	7.795	56	161854	43.703	ug/l	93
32) 1,1,1-Trichloroethane	7.716	97	164023	44.520	ug/l	98
36) 1,1-Dichloropropene	7.929	75	146454	44.411	ug/l	98
37) Ethyl Acetate	7.082	43	67028	49.323	ug/l #	95
38) Carbon Tetrachloride	7.911	117	147377	44.492	ug/l	99
39) Methylcyclohexane	9.191	83	186981	45.113	ug/l	92
40) Benzene	8.173	78	434679	44.975	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	34058m	47.195	ug/l	
42) 1,2-Dichloroethane	8.246	62	115749	46.858	ug/l	93
43) Isopropyl Acetate	8.283	43	124082	49.681	ug/l #	90
44) Trichloroethene	8.947	130	117882	43.794	ug/l	98
45) 1,2-Dichloropropane	9.228	63	104949	46.480	ug/l	99
46) Dibromomethane	9.313	93	60383	48.357	ug/l	93
47) Bromodichloromethane	9.508	83	147135	46.635	ug/l	99
48) Methyl methacrylate	9.301	41	69613	50.334	ug/l #	86
49) 1,4-Dioxane	9.313	88	13398	1001.641	ug/l #	66
51) 4-Methyl-2-Pentanone	10.081	43	334141	255.088	ug/l	90
52) Toluene	10.252	92	275577	45.519	ug/l	94
53) t-1,3-Dichloropropene	10.471	75	142489	47.874	ug/l	98
54) cis-1,3-Dichloropropene	9.941	75	167318	46.756	ug/l #	88
55) 1,1,2-Trichloroethane	10.654	97	82290	46.902	ug/l	97
56) Ethyl methacrylate	10.520	69	77621	51.026	ug/l #	84
57) 1,3-Dichloropropane	10.801	76	140128	47.989	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	279500	263.643	ug/l	95
59) 2-Hexanone	10.843	43	240844	224.114	ug/l	87
60) Dibromochloromethane	10.990	129	99436	46.764	ug/l	100
61) 1,2-Dibromoethane	11.099	107	78535	47.692	ug/l	99
64) Tetrachloroethene	10.727	164	118479	43.893	ug/l	98
65) Chlorobenzene	11.526	112	284775	44.313	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.599	131	104763	44.574	ug/l	97
67) Ethyl Benzene	11.599	91	515734	44.606	ug/l	100
68) m/p-Xylenes	11.709	106	401900	90.104	ug/l	91
69) o-Xylene	12.038	106	183475	44.971	ug/l	95
70) Styrene	12.050	104	275375	46.587	ug/l	96
71) Bromoform	12.215	173	60577	47.527	ug/l #	98
73) Isopropylbenzene	12.337	105	490498	43.799	ug/l	100
74) N-amyl acetate	12.148	43	103280	49.204	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.587	83	87783	46.076	ug/l	100
76) 1,2,3-Trichloropropane	12.642	75	67809m	46.706	ug/l	
77) Bromobenzene	12.617	156	116865	44.541	ug/l	92
78) n-propylbenzene	12.678	91	586725	43.833	ug/l	100
79) 2-Chlorotoluene	12.764	91	321520	43.742	ug/l	98
80) 1,3,5-Trimethylbenzene	12.818	105	397196	44.358	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.386	75	30520	47.824	ug/l	91
82) 4-Chlorotoluene	12.861	91	335365	44.121	ug/l	98
83) tert-Butylbenzene	13.081	119	345770	44.253	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	397610	44.772	ug/l	96
85) sec-Butylbenzene	13.257	105	510757	44.549	ug/l	100
86) p-Isopropyltoluene	13.373	119	439810	44.930	ug/l	97
87) 1,3-Dichlorobenzene	13.373	146	223831	43.893	ug/l	99
88) 1,4-Dichlorobenzene	13.452	146	220234	43.920	ug/l	100
89) n-Butylbenzene	13.702	91	409026	44.980	ug/l	97
90) Hexachloroethane	13.965	117	83441	42.827	ug/l	90
91) 1,2-Dichlorobenzene	13.745	146	196423	44.891	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	12913	46.829	ug/l	87
93) 1,2,4-Trichlorobenzene	15.013	180	109228	46.212	ug/l	99
94) Hexachlorobutadiene	15.117	225	60539	42.672	ug/l	98
95) Naphthalene	15.239	128	209288	50.746	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	92967	47.715	ug/l	100

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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