

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111423\
 Data File : VY016352.D
 Acq On : 14 Nov 2023 16:28
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/15/2023
 Supervised By :Semsettin Yesilyurt 11/15/2023

Quant Time: Nov 15 05:29:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 09 00:45:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	154072	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	253473	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	223699	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	105265	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	76675	54.451	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.900%			
35) Dibromofluoromethane	7.734	113	78648	54.621	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.240%			
50) Toluene-d8	10.191	98	309699	53.039	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.080%			
62) 4-Bromofluorobenzene	12.489	95	100768	53.136	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 106.280%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	68056	45.111	ug/l	100
3) Chloromethane	2.119	50	78247	44.287	ug/l	97
4) Vinyl Chloride	2.259	62	84721	44.593	ug/l	99
5) Bromomethane	2.662	94	55673	44.589	ug/l	97
6) Chloroethane	2.802	64	56452	46.566	ug/l	97
7) Trichlorofluoromethane	3.137	101	132710	48.012	ug/l	99
8) Diethyl Ether	3.540	74	42724	51.717	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.918	101	78910	47.399	ug/l	95
10) Methyl Iodide	4.107	142	90442	50.300	ug/l	98
11) Tert butyl alcohol	4.972	59	28194	255.682	ug/l #	82
12) 1,1-Dichloroethene	3.887	96	74918	48.118	ug/l	89
13) Acrolein	3.741	56	27588	207.421	ug/l	98
14) Allyl chloride	4.497	41	106836	48.355	ug/l #	92
15) Acrylonitrile	5.180	53	89424	272.763	ug/l	98
16) Acetone	3.960	43	63774	273.794	ug/l #	89
17) Carbon Disulfide	4.216	76	218067	46.420	ug/l	99
18) Methyl Acetate	4.497	43	72635	58.685	ug/l #	90
19) Methyl tert-butyl Ether	5.241	73	198442	52.661	ug/l	100
20) Methylene Chloride	4.735	84	86299	52.629	ug/l	89
21) trans-1,2-Dichloroethene	5.241	96	88389	49.306	ug/l	93
22) Diisopropyl ether	6.137	45	242972	51.028	ug/l	88
23) Vinyl Acetate	6.076	43	587150	254.487	ug/l #	94
24) 1,1-Dichloroethane	6.039	63	148341	50.499	ug/l	96
25) 2-Butanone	7.003	43	108139	265.058	ug/l	92
26) 2,2-Dichloropropane	6.996	77	129857	48.571	ug/l	96
27) cis-1,2-Dichloroethene	7.003	96	97687	50.565	ug/l	92
28) Bromochloromethane	7.350	49	57588	52.970	ug/l	87
29) Tetrahydrofuran	7.362	42	73756	273.511	ug/l	89
30) Chloroform	7.521	83	157331	51.455	ug/l	96
31) Cyclohexane	7.801	56	124426	44.880	ug/l	91
32) 1,1,1-Trichloroethane	7.722	97	141551	50.503	ug/l	97
36) 1,1-Dichloropropene	7.929	75	118956	47.578	ug/l	99
37) Ethyl Acetate	7.088	43	51545	51.024	ug/l #	94
38) Carbon Tetrachloride	7.917	117	128138	49.381	ug/l	99
39) Methylcyclohexane	9.197	83	143168	45.954	ug/l	91
40) Benzene	8.173	78	346356	49.307	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	23732	46.591	ug/l	90
42) 1,2-Dichloroethane	8.252	62	93968	51.629	ug/l	94
43) Isopropyl Acetate	8.289	43	101873	52.169	ug/l #	92
44) Trichloroethene	8.953	130	99002	49.039	ug/l	97
45) 1,2-Dichloropropane	9.228	63	85763	50.838	ug/l	95
46) Dibromomethane	9.319	93	48115	52.631	ug/l	97
47) Bromodichloromethane	9.508	83	121209	51.572	ug/l	97
48) Methyl methacrylate	9.307	41	57063	52.875	ug/l	85
49) 1,4-Dioxane	9.307	88	10733	1105.876	ug/l #	70
51) 4-Methyl-2-Pentanone	10.081	43	262962	266.304	ug/l	90
52) Toluene	10.252	92	220316	49.617	ug/l	95
53) t-1,3-Dichloropropene	10.477	75	119095	52.271	ug/l	98
54) cis-1,3-Dichloropropene	9.941	75	139864	51.396	ug/l #	88
55) 1,1,2-Trichloroethane	10.654	97	67070	53.229	ug/l	95
56) Ethyl methacrylate	10.520	69	64509	54.235	ug/l #	82
57) 1,3-Dichloropropane	10.801	76	112515	52.386	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.795	63	219642	272.335	ug/l	94
59) 2-Hexanone	10.843	43	183391	249.685	ug/l	87
60) Dibromochloromethane	10.996	129	84802	53.813	ug/l	98
61) 1,2-Dibromoethane	11.099	107	64380	53.631	ug/l	99
64) Tetrachloroethene	10.734	164	100335	49.953	ug/l	97
65) Chlorobenzene	11.526	112	237053	49.599	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.599	131	88984	50.479	ug/l	97
67) Ethyl Benzene	11.599	91	420958	49.009	ug/l	99
68) m/p-Xylenes	11.709	106	321425	98.661	ug/l	94
69) o-Xylene	12.038	106	152109	50.287	ug/l	96
70) Styrene	12.050	104	222596	51.394	ug/l	97
71) Bromoform	12.215	173	50307	54.999	ug/l #	100
73) Isopropylbenzene	12.337	105	406580	47.697	ug/l	100
74) N-amyl acetate	12.154	43	84172	49.160	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.593	83	69740	50.986	ug/l	99
76) 1,2,3-Trichloropropane	12.642	75	46604m	46.152	ug/l	
77) Bromobenzene	12.617	156	94466	49.033	ug/l	94
78) n-propylbenzene	12.678	91	474261	47.079	ug/l	99
79) 2-Chlorotoluene	12.764	91	265733	47.866	ug/l	98
80) 1,3,5-Trimethylbenzene	12.819	105	330412	48.077	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.386	75	23750	51.051	ug/l	92
82) 4-Chlorotoluene	12.861	91	271830	47.386	ug/l	99
83) tert-Butylbenzene	13.081	119	291082	48.085	ug/l	98
84) 1,2,4-Trimethylbenzene	13.129	105	326924	48.311	ug/l	98
85) sec-Butylbenzene	13.264	105	406793	47.038	ug/l	99
86) p-Isopropyltoluene	13.379	119	355972	47.803	ug/l	98
87) 1,3-Dichlorobenzene	13.373	146	177316	47.840	ug/l	100
88) 1,4-Dichlorobenzene	13.453	146	174376	48.139	ug/l	99
89) n-Butylbenzene	13.703	91	323545	47.047	ug/l	97
90) Hexachloroethane	13.971	117	68839	47.922	ug/l	90
91) 1,2-Dichlorobenzene	13.745	146	155390	48.925	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.367	75	10602	48.718	ug/l	88
93) 1,2,4-Trichlorobenzene	15.013	180	90779	48.967	ug/l	98
94) Hexachlorobutadiene	15.117	225	49973	47.051	ug/l	98
95) Naphthalene	15.245	128	170757	51.499	ug/l	98
96) 1,2,3-Trichlorobenzene	15.434	180	75370	49.153	ug/l	98

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

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