

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120723\
 Data File : VY016632.D
 Acq On : 07 Dec 2023 18:23
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : Mahesh Dadoda 12/08/2023
 Supervised By : Semsettin Yesilyurt 12/08/2023

Quant Time: Dec 08 00:26:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 05 01:24:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.819	168	177814	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.715	114	256042	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.514	117	275404	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.446	152	115706	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.167	65	93696	57.011	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.020%			
35) Dibromofluoromethane	7.740	113	86180	55.930	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.860%			
50) Toluene-d8	10.203	98	337036	57.826	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery = 115.660%			
62) 4-Bromofluorobenzene	12.501	95	114026	59.491	ug/l	0.01
Spiked Amount 50.000	Range 30 - 143		Recovery = 118.980%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.918	85	72589	46.215	ug/l	97
3) Chloromethane	2.125	50	104534	64.154	ug/l	100
4) Vinyl Chloride	2.265	62	105900	64.358	ug/l	96
5) Bromomethane	2.674	94	68365	66.327	ug/l	98
6) Chloroethane	2.814	64	69944	68.815	ug/l	94
7) Trichlorofluoromethane	3.149	101	184642	59.357	ug/l	98
8) Diethyl Ether	3.552	74	40805	47.100	ug/l	77
9) 1,1,2-Trichlorotrifluo...	3.930	101	79692	45.812	ug/l	95
10) Methyl Iodide	4.125	142	104398	56.801	ug/l	97
11) Tert butyl alcohol	4.991	59	26046	232.601	ug/l #	78
12) 1,1-Dichloroethene	3.899	96	76774	48.584	ug/l	88
13) Acrolein	3.753	56	40614	249.481	ug/l	100
14) Allyl chloride	4.515	41	103822	43.051	ug/l #	84
15) Acrylonitrile	5.198	53	74047	211.761	ug/l	98
16) Acetone	3.966	43	71111	191.209	ug/l	100
17) Carbon Disulfide	4.222	76	201712	45.529	ug/l	99
18) Methyl Acetate	4.509	43	66206	44.911	ug/l #	85
19) Methyl tert-butyl Ether	5.253	73	201669	51.916	ug/l	95
20) Methylene Chloride	4.753	84	85655	52.405	ug/l #	83
21) trans-1,2-Dichloroethene	5.259	96	87723	49.365	ug/l	92
22) Diisopropyl ether	6.149	45	207200	41.776	ug/l #	90
23) Vinyl Acetate	6.094	43	490853	206.155	ug/l #	90
24) 1,1-Dichloroethane	6.051	63	138307	45.390	ug/l	95
25) 2-Butanone	7.015	43	91261	178.455	ug/l	90
26) 2,2-Dichloropropane	7.015	77	150459	52.524	ug/l	100
27) cis-1,2-Dichloroethene	7.021	96	98991	50.607	ug/l	91
28) Bromochloromethane	7.362	49	50493	40.911	ug/l #	60
29) Tetrahydrofuran	7.374	42	54792	187.925	ug/l #	79
30) Chloroform	7.539	83	168881	51.994	ug/l	96
31) Cyclohexane	7.819	56	108057	38.514	ug/l	87
32) 1,1,1-Trichloroethane	7.728	97	169350	55.092	ug/l	96
36) 1,1-Dichloropropene	7.947	75	115866	49.467	ug/l	95
37) Ethyl Acetate	7.106	43	40760	41.587	ug/l #	92
38) Carbon Tetrachloride	7.929	117	160634	59.240	ug/l	98
39) Methylcyclohexane	9.209	83	137923	48.873	ug/l	87
40) Benzene	8.185	78	334992	50.741	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.338	41	23112	40.830	ug/l	96
42) 1,2-Dichloroethane	8.264	62	109679	57.213	ug/l	97
43) Isopropyl Acetate	8.295	43	83184	43.996	ug/l #	87
44) Trichloroethene	8.965	130	110160	55.329	ug/l	91
45) 1,2-Dichloropropane	9.240	63	72357	45.523	ug/l	95
46) Dibromomethane	9.331	93	45534	52.256	ug/l	92
47) Bromodichloromethane	9.520	83	128719	55.487	ug/l	99
48) Methyl methacrylate	9.313	41	47634	43.624	ug/l	87
49) 1,4-Dioxane	9.319	88	9175	1040.287	ug/l #	60
51) 4-Methyl-2-Pentanone	10.093	43	208472	212.166	ug/l	92
52) Toluene	10.264	92	225257	54.439	ug/l	94
53) t-1,3-Dichloropropene	10.483	75	119558	54.610	ug/l	98
54) cis-1,3-Dichloropropene	9.953	75	134541	52.326	ug/l	97
55) 1,1,2-Trichloroethane	10.666	97	63340	52.184	ug/l	94
56) Ethyl methacrylate	10.532	69	56680	50.944	ug/l	92
57) 1,3-Dichloropropane	10.813	76	105523	51.463	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.807	63	149292	217.738	ug/l #	82
59) 2-Hexanone	10.849	43	148573	199.880	ug/l	91
60) Dibromochloromethane	11.008	129	92531	57.055	ug/l	100
61) 1,2-Dibromoethane	11.111	107	62388	54.648	ug/l	100
64) Tetrachloroethene	10.739	164	119786	47.459	ug/l	96
65) Chlorobenzene	11.538	112	308699	55.341	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.611	131	117120	53.720	ug/l	99
67) Ethyl Benzene	11.611	91	524368	52.416	ug/l	98
68) m/p-Xylenes	11.721	106	361338	95.145	ug/l	95
69) o-Xylene	12.050	106	165367	46.644	ug/l	96
70) Styrene	12.062	104	241011	47.381	ug/l	100
71) Bromoform	12.227	173	56857	48.296	ug/l #	99
73) Isopropylbenzene	12.349	105	455359	53.148	ug/l	98
74) N-amyl acetate	12.160	43	67954	39.777	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.599	83	59344	43.548	ug/l	98
76) 1,2,3-Trichloropropane	12.654	75	50385m	48.206	ug/l	
77) Bromobenzene	12.629	156	113969	56.442	ug/l	81
78) n-propylbenzene	12.690	91	499342	50.073	ug/l	95
79) 2-Chlorotoluene	12.776	91	284831	50.687	ug/l	95
80) 1,3,5-Trimethylbenzene	12.831	105	376709	54.111	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.398	75	20015	43.197	ug/l	94
82) 4-Chlorotoluene	12.873	91	293807	50.529	ug/l	96
83) tert-Butylbenzene	13.093	119	337865	54.318	ug/l	99
84) 1,2,4-Trimethylbenzene	13.141	105	369831	54.387	ug/l	97
85) sec-Butylbenzene	13.270	105	444041	50.828	ug/l	96
86) p-Isopropyltoluene	13.385	119	407429	53.726	ug/l	99
87) 1,3-Dichlorobenzene	13.385	146	207881	53.931	ug/l	99
88) 1,4-Dichlorobenzene	13.465	146	203039	53.673	ug/l	99
89) n-Butylbenzene	13.715	91	342861	50.274	ug/l	94
90) Hexachloroethane	13.983	117	74320	49.808	ug/l	91
91) 1,2-Dichlorobenzene	13.757	146	180153	54.437	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.373	75	11088	50.846	ug/l	90
93) 1,2,4-Trichlorobenzene	15.025	180	108018	57.843	ug/l	99
94) Hexachlorobutadiene	15.129	225	65848	55.810	ug/l	98
95) Naphthalene	15.257	128	180643	58.291	ug/l	99
96) 1,2,3-Trichlorobenzene	15.446	180	88285	59.180	ug/l	97

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

