

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120723\
 Data File : VY016623.D
 Acq On : 07 Dec 2023 14:19
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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

Quant Time: Dec 07 15:55:06 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	7.820	168	175934	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.716	114	247835	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.508	117	215015	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.447	152	107388	50.000	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.167	65	88755	54.581	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.160%	
35) Dibromofluoromethane	7.746	113	82664	55.424	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.840%	
50) Toluene-d8	10.203	98	322768	57.212	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 114.420%	
62) 4-Bromofluorobenzene	12.502	95	110116	59.353	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	= 118.700%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.918	85	66585	42.845	ug/l	98
3) Chloromethane	2.132	50	83312	51.676	ug/l	99
4) Vinyl Chloride	2.272	62	91460	56.176	ug/l	98
5) Bromomethane	2.674	94	56389	55.292	ug/l	96
6) Chloroethane	2.820	64	54900	54.591	ug/l	93
7) Trichlorofluoromethane	3.150	101	158560	51.517	ug/l	99
8) Diethyl Ether	3.552	74	35321	41.205	ug/l	75
9) 1,1,2-Trichlorotrifluo...	3.930	101	73649	42.790	ug/l	94
10) Methyl Iodide	4.125	142	86667	47.658	ug/l	97
11) Tert butyl alcohol	4.997	59	23751	214.373	ug/l #	82
12) 1,1-Dichloroethene	3.906	96	69280	44.310	ug/l	90
13) Acrolein	3.753	56	48360	300.237	ug/l	100
14) Allyl chloride	4.515	41	86299	36.167	ug/l #	84
15) Acrylonitrile	5.198	53	66956	193.528	ug/l	98
16) Acetone	3.973	43	68101	185.072	ug/l	99
17) Carbon Disulfide	4.229	76	179101	40.857	ug/l	98
18) Methyl Acetate	4.509	43	56173	38.512	ug/l #	84
19) Methyl tert-butyl Ether	5.259	73	172561	44.897	ug/l	93
20) Methylene Chloride	4.759	84	72392	44.237	ug/l #	84
21) trans-1,2-Dichloroethene	5.265	96	76377	43.440	ug/l	86
22) Diisopropyl ether	6.155	45	174341	35.527	ug/l #	88
23) Vinyl Acetate	6.100	43	430001	182.527	ug/l #	88
24) 1,1-Dichloroethane	6.058	63	119130	39.514	ug/l	96
25) 2-Butanone	7.015	43	84659	167.314	ug/l #	89
26) 2,2-Dichloropropane	7.015	77	135440	47.786	ug/l	99
27) cis-1,2-Dichloroethene	7.021	96	83753	43.275	ug/l	91
28) Bromochloromethane	7.368	49	52008	42.588	ug/l #	59
29) Tetrahydrofuran	7.381	42	49091	170.171	ug/l #	81
30) Chloroform	7.533	83	139067	43.273	ug/l	96
31) Cyclohexane	7.813	56	100531	36.215	ug/l #	83
32) 1,1,1-Trichloroethane	7.734	97	146855	48.285	ug/l	96
36) 1,1-Dichloropropene	7.948	75	106436	46.946	ug/l	99
37) Ethyl Acetate	7.106	43	34786	36.667	ug/l #	93
38) Carbon Tetrachloride	7.929	117	141082	53.752	ug/l	99
39) Methylcyclohexane	9.210	83	129048	47.243	ug/l	87
40) Benzene	8.191	78	283212	44.318	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.344	41	18997	34.671	ug/l	91
42) 1,2-Dichloroethane	8.265	62	90279	48.653	ug/l	97
43) Isopropyl Acetate	8.295	43	73501	40.162	ug/l #	89
44) Trichloroethene	8.966	130	94724	49.152	ug/l	91
45) 1,2-Dichloropropane	9.240	63	60501	39.324	ug/l	95
46) Dibromomethane	9.331	93	37480	44.437	ug/l	89
47) Bromodichloromethane	9.520	83	104532	46.553	ug/l	99
48) Methyl methacrylate	9.313	41	43497	41.154	ug/l	93
49) 1,4-Dioxane	9.319	88	7889	924.097	ug/l #	54
51) 4-Methyl-2-Pentanone	10.087	43	182150	191.517	ug/l	92
52) Toluene	10.264	92	190524	47.569	ug/l	94
53) t-1,3-Dichloropropene	10.484	75	102040	48.152	ug/l	99
54) cis-1,3-Dichloropropene	9.947	75	113078	45.435	ug/l	98
55) 1,1,2-Trichloroethane	10.667	97	53239	45.314	ug/l	93
56) Ethyl methacrylate	10.526	69	47927	44.503	ug/l	90
57) 1,3-Dichloropropane	10.813	76	88499	44.590	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.807	63	162043	244.161	ug/l #	81
59) 2-Hexanone	10.849	43	134915	187.516	ug/l	90
60) Dibromochloromethane	11.002	129	76365	48.646	ug/l	100
61) 1,2-Dibromoethane	11.106	107	51214	46.346	ug/l	99
64) Tetrachloroethene	10.740	164	100052	50.773	ug/l	97
65) Chlorobenzene	11.538	112	211608	48.590	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.612	131	84604	49.705	ug/l	97
67) Ethyl Benzene	11.612	91	376847	48.250	ug/l	96
68) m/p-Xylenes	11.721	106	294954	99.479	ug/l	94
69) o-Xylene	12.050	106	138593	50.072	ug/l	95
70) Styrene	12.063	104	199883	50.332	ug/l	99
71) Bromoform	12.227	173	47598	51.787	ug/l #	97
73) Isopropylbenzene	12.349	105	389088	48.931	ug/l	97
74) N-amyl acetate	12.160	43	58910	37.154	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.599	83	50195	39.688	ug/l	98
76) 1,2,3-Trichloropropane	12.648	75	33867m	34.912	ug/l	
77) Bromobenzene	12.630	156	93226	49.745	ug/l	82
78) n-propylbenzene	12.691	91	432474	46.727	ug/l	94
79) 2-Chlorotoluene	12.776	91	238763	45.780	ug/l	94
80) 1,3,5-Trimethylbenzene	12.831	105	316647	49.007	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.398	75	18362	42.699	ug/l	94
82) 4-Chlorotoluene	12.874	91	252631	46.812	ug/l	96
83) tert-Butylbenzene	13.093	119	294890	51.081	ug/l	98
84) 1,2,4-Trimethylbenzene	13.136	105	312638	49.537	ug/l	97
85) sec-Butylbenzene	13.270	105	395576	48.788	ug/l	97
86) p-Isopropyltoluene	13.386	119	362439	51.495	ug/l	99
87) 1,3-Dichlorobenzene	13.386	146	175312	49.005	ug/l	99
88) 1,4-Dichlorobenzene	13.465	146	174256	49.632	ug/l	99
89) n-Butylbenzene	13.715	91	309295	48.865	ug/l	95
90) Hexachloroethane	13.983	117	65896	47.583	ug/l	92
91) 1,2-Dichlorobenzene	13.758	146	153310	49.914	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.373	75	9503	46.953	ug/l	85
93) 1,2,4-Trichlorobenzene	15.026	180	101420	58.516	ug/l	100
94) Hexachlorobutadiene	15.129	225	65454	59.774	ug/l	97
95) Naphthalene	15.257	128	164676	57.435	ug/l	100
96) 1,2,3-Trichlorobenzene	15.446	180	80988	58.589	ug/l	99

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

