

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120523\
 Data File : VY016605.D
 Acq On : 05 Dec 2023 19:02
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 06 09:13:04 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

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/11/2023
 Supervised By :Mahesh Dadoda 12/11/2023

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

Internal Standards						
1) Pentafluorobenzene	7.813	168	203876	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.710	114	309778	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	270217	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	127453	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	87649	46.514	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.020%		
35) Dibromofluoromethane	7.740	113	84984	45.586	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.180%		
50) Toluene-d8	10.197	98	326528	46.305	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	92.620%		
62) 4-Bromofluorobenzene	12.495	95	109123	47.057	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	94.120%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	81489	45.249	ug/l	98
3) Chloromethane	2.125	50	75955	40.656	ug/l	98
4) Vinyl Chloride	2.266	62	76968	40.796	ug/l	97
5) Bromomethane	2.668	94	52197	44.167	ug/l	98
6) Chloroethane	2.814	64	49667	42.619	ug/l	90
7) Trichlorofluoromethane	3.143	101	173881	48.752	ug/l	97
8) Diethyl Ether	3.546	74	46396	46.707	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.924	101	91291	45.771	ug/l	97
10) Methyl Iodide	4.113	142	106982	50.766	ug/l	99
11) Tert butyl alcohol	4.978	59	28294	220.377	ug/l #	82
12) 1,1-Dichloroethene	3.899	96	85340	47.101	ug/l	89
13) Acrolein	3.747	56	35764	191.605	ug/l	99
14) Allyl chloride	4.509	41	120434	43.556	ug/l #	89
15) Acrylonitrile	5.186	53	89083	222.195	ug/l	98
16) Acetone	3.966	43	82993	194.631	ug/l	97
17) Carbon Disulfide	4.223	76	232534	45.776	ug/l	100
18) Methyl Acetate	4.503	43	76115	45.032	ug/l #	87
19) Methyl tert-butyl Ether	5.241	73	223910	50.273	ug/l	97
20) Methylene Chloride	4.741	84	94883	50.508	ug/l	87
21) trans-1,2-Dichloroethene	5.253	96	96754	47.487	ug/l	91
22) Diisopropyl ether	6.143	45	257914	45.354	ug/l #	90
23) Vinyl Acetate	6.088	43	601745	220.422	ug/l #	93
24) 1,1-Dichloroethane	6.045	63	162618	46.546	ug/l	96
25) 2-Butanone	7.009	43	112491	191.850	ug/l	94
26) 2,2-Dichloropropane	7.009	77	161808	49.265	ug/l	99
27) cis-1,2-Dichloroethene	7.015	96	110630	49.328	ug/l	91
28) Bromochloromethane	7.356	49	65666	46.403	ug/l #	74
29) Tetrahydrofuran	7.374	42	71389	213.549	ug/l #	87
30) Chloroform	7.527	83	183595	49.299	ug/l	98
31) Cyclohexane	7.807	56	131848	40.986	ug/l	91
32) 1,1,1-Trichloroethane	7.728	97	178989	50.785	ug/l	97
36) 1,1-Dichloropropene	7.941	75	133192	47.000	ug/l	98
37) Ethyl Acetate	7.094	43	51019	43.025	ug/l	97
38) Carbon Tetrachloride	7.923	117	166761	50.831	ug/l	98
39) Methylcyclohexane	9.203	83	160416	46.983	ug/l	90
40) Benzene	8.179	78	379762	47.544	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	28520	41.644	ug/l	98
42) 1,2-Dichloroethane	8.258	62	116022	50.024	ug/l	97
43) Isopropyl Acetate	8.289	43	100710	44.026	ug/l #	90
44) Trichloroethene	8.959	130	119654	49.673	ug/l	97
45) 1,2-Dichloropropane	9.234	63	87591	45.548	ug/l	95
46) Dibromomethane	9.319	93	51583	48.929	ug/l	95
47) Bromodichloromethane	9.514	83	139626	49.748	ug/l	98
48) Methyl methacrylate	9.307	41	59829	45.287	ug/l	91
49) 1,4-Dioxane	9.319	88	10129	949.236	ug/l #	63
51) 4-Methyl-2-Pentanone	10.081	43	259938	218.655	ug/l	93
52) Toluene	10.258	92	249885	49.915	ug/l	92
53) t-1,3-Dichloropropene	10.477	75	132386	49.980	ug/l	99
54) cis-1,3-Dichloropropene	9.947	75	150522	48.386	ug/l	95
55) 1,1,2-Trichloroethane	10.660	97	70666	48.120	ug/l	92
56) Ethyl methacrylate	10.526	69	66234	49.204	ug/l	89
57) 1,3-Dichloropropane	10.807	76	118177	47.637	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.795	63	164288	198.045	ug/l #	86
59) 2-Hexanone	10.843	43	186199	207.046	ug/l	93
60) Dibromochloromethane	11.002	129	99480	50.699	ug/l	100
61) 1,2-Dibromoethane	11.105	107	67762	49.059	ug/l	99
64) Tetrachloroethene	10.734	164	126788	51.197	ug/l	98
65) Chlorobenzene	11.532	112	274994	50.245	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.605	131	110112	51.475	ug/l	98
67) Ethyl Benzene	11.605	91	480206	48.923	ug/l	98
68) m/p-Xylenes	11.715	106	371482	99.694	ug/l	95
69) o-Xylene	12.044	106	177867	51.133	ug/l	96
70) Styrene	12.056	104	254614	51.016	ug/l	100
71) Bromoform	12.221	173	59845	51.810	ug/l	99
73) Isopropylbenzene	12.343	105	483690	51.252	ug/l	98
74) N-amyl acetate	12.154	43	84099	44.690	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.593	83	68576	45.685	ug/l	98
76) 1,2,3-Trichloropropane	12.648	75	56854m	49.382	ug/l	
77) Bromobenzene	12.623	156	116442	52.351	ug/l	86
78) n-propylbenzene	12.684	91	542568	49.393	ug/l	95
79) 2-Chlorotoluene	12.770	91	306700	49.548	ug/l	95
80) 1,3,5-Trimethylbenzene	12.825	105	397518	51.837	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.392	75	23011	45.086	ug/l	97
82) 4-Chlorotoluene	12.867	91	312211	48.745	ug/l	96
83) tert-Butylbenzene	13.087	119	352871	51.502	ug/l	99
84) 1,2,4-Trimethylbenzene	13.136	105	387223	51.696	ug/l	97
85) sec-Butylbenzene	13.264	105	484169	50.313	ug/l	97
86) p-Isopropyltoluene	13.379	119	427699	51.201	ug/l	98
87) 1,3-Dichlorobenzene	13.379	146	216834	51.069	ug/l	99
88) 1,4-Dichlorobenzene	13.459	146	210145	50.431	ug/l	99
89) n-Butylbenzene	13.709	91	370039	49.258	ug/l	95
90) Hexachloroethane	13.971	117	81469	49.567	ug/l	97
91) 1,2-Dichlorobenzene	13.751	146	185357	50.847	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.373	75	11846	49.315	ug/l	90
93) 1,2,4-Trichlorobenzene	15.019	180	109263	53.117	ug/l	99
94) Hexachlorobutadiene	15.123	225	66806	51.404	ug/l	98
95) Naphthalene	15.251	128	181237	53.944	ug/l	99
96) 1,2,3-Trichlorobenzene	15.440	180	88040	54.299	ug/l	99

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

