

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110123\
 Data File : VY016161.D
 Acq On : 01 Nov 2023 11:19
 Operator : SY/MD
 Sample : VY1101SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1101SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/02/2023
 Supervised By :Semsettin Yesilyurt 11/02/2023

Quant Time: Nov 02 02:22:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 01 03:33:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	181875	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.691	114	289316	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	251114	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.428	152	120484	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	81113	47.661	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.320%		
35) Dibromofluoromethane	7.716	113	76481	44.341	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	88.680%		
50) Toluene-d8	10.179	98	322125	47.104	ug/l	-0.01
Spiked Amount 50.000	Range 58 - 134		Recovery =	94.200%		
62) 4-Bromofluorobenzene	12.483	95	106325	45.469	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	90.940%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	20976	18.080	ug/l	89
3) Chloromethane	2.113	50	29704	18.492	ug/l	100
4) Vinyl Chloride	2.247	62	31397	18.938	ug/l	95
5) Bromomethane	2.643	94	21040	18.805	ug/l	99
6) Chloroethane	2.790	64	22242	19.056	ug/l	99
7) Trichlorofluoromethane	3.125	101	46916	18.745	ug/l	95
8) Diethyl Ether	3.527	74	17464	21.053	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.899	101	30819	19.546	ug/l	97
10) Methyl Iodide	4.088	142	33196	18.933	ug/l	98
11) Tert butyl alcohol	4.954	59	13579	106.791	ug/l #	93
12) 1,1-Dichloroethene	3.869	96	28278	19.649	ug/l	85
13) Acrolein	3.729	56	14041	115.668	ug/l	99
14) Allyl chloride	4.479	41	41071	19.952	ug/l #	96
15) Acrylonitrile	5.155	53	37745	106.482	ug/l	100
16) Acetone	3.942	43	27924	90.623	ug/l	99
17) Carbon Disulfide	4.198	76	67544	18.799	ug/l	98
18) Methyl Acetate	4.472	43	28191	20.598	ug/l #	89
19) Methyl tert-butyl Ether	5.216	73	83521	20.403	ug/l	97
20) Methylene Chloride	4.710	84	41662	22.386	ug/l	90
21) trans-1,2-Dichloroethene	5.222	96	32618	19.458	ug/l	89
22) Diisopropyl ether	6.112	45	101401	20.366	ug/l	93
23) Vinyl Acetate	6.058	43	247191	101.118	ug/l #	94
24) 1,1-Dichloroethane	6.015	63	59984	20.130	ug/l	97
25) 2-Butanone	6.984	43	46656	99.368	ug/l	94
26) 2,2-Dichloropropane	6.978	77	55895	19.843	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	38678	19.606	ug/l	93
28) Bromochloromethane	7.332	49	22040	19.766	ug/l	91
29) Tetrahydrofuran	7.350	42	31384	106.630	ug/l	90
30) Chloroform	7.508	83	64783	19.969	ug/l	97
31) Cyclohexane	7.783	56	50115	19.156	ug/l	86
32) 1,1,1-Trichloroethane	7.704	97	58585	19.691	ug/l	98
36) 1,1-Dichloropropene	7.917	75	46671	18.739	ug/l	97
37) Ethyl Acetate	7.076	43	23363	21.061	ug/l #	96
38) Carbon Tetrachloride	7.899	117	50079	20.295	ug/l	98
39) Methylcyclohexane	9.185	83	56205	18.905	ug/l	93
40) Benzene	8.161	78	139672	19.534	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	11606	18.024	ug/l	96
42) 1,2-Dichloroethane	8.240	62	39742	19.917	ug/l	94
43) Isopropyl Acetate	8.271	43	44729	20.384	ug/l	93
44) Trichloroethene	8.941	130	40349	19.283	ug/l	98
45) 1,2-Dichloropropane	9.215	63	35013	20.355	ug/l	96
46) Dibromomethane	9.307	93	19679	20.168	ug/l	98
47) Bromodichloromethane	9.496	83	50013	20.173	ug/l	98
48) Methyl methacrylate	9.289	41	19688	19.731	ug/l	88
49) 1,4-Dioxane	9.301	88	5350	390.079	ug/l #	59
51) 4-Methyl-2-Pentanone	10.069	43	116664	106.554	ug/l	94
52) Toluene	10.246	92	90764	19.589	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	49314	19.926	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	56625	19.498	ug/l	92
55) 1,1,2-Trichloroethane	10.648	97	28208	20.551	ug/l	95
56) Ethyl methacrylate	10.514	69	35959	20.173	ug/l #	88
57) 1,3-Dichloropropane	10.788	76	46524	19.911	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	88993	102.958	ug/l	93
59) 2-Hexanone	10.831	43	80270	106.987	ug/l	89
60) Dibromochloromethane	10.983	129	34447	20.005	ug/l	99
61) 1,2-Dibromoethane	11.087	107	26120	20.007	ug/l	100
64) Tetrachloroethene	10.721	164	41198	18.444	ug/l	98
65) Chlorobenzene	11.520	112	98654	19.774	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	36736	19.880	ug/l	97
67) Ethyl Benzene	11.593	91	173302	19.421	ug/l	99
68) m/p-Xylenes	11.703	106	135385	39.263	ug/l	93
69) o-Xylene	12.032	106	64457	19.578	ug/l	95
70) Styrene	12.044	104	105469	19.270	ug/l	98
71) Bromoform	12.209	173	20703	20.195	ug/l #	100
73) Isopropylbenzene	12.331	105	173466	19.193	ug/l	99
74) N-amyl acetate	12.142	43	38910	19.812	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.581	83	29719	20.665	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	24148m	21.283	ug/l	
77) Bromobenzene	12.611	156	39946	19.520	ug/l	95
78) n-propylbenzene	12.672	91	206798	19.354	ug/l	99
79) 2-Chlorotoluene	12.758	91	113943	19.119	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	142263	19.429	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	10500	20.065	ug/l	93
82) 4-Chlorotoluene	12.855	91	117690	19.231	ug/l	98
83) tert-Butylbenzene	13.075	119	125234	19.115	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	141003	19.461	ug/l	98
85) sec-Butylbenzene	13.257	105	189316	19.688	ug/l	100
86) p-Isopropyltoluene	13.373	119	155935	19.566	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	78937	19.503	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	77416	19.353	ug/l	98
89) n-Butylbenzene	13.696	91	143824	19.641	ug/l	96
90) Hexachloroethane	13.965	117	28133	20.484	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	69753	19.947	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	5026	19.528	ug/l	88
93) 1,2,4-Trichlorobenzene	15.007	180	43154	19.994	ug/l	99
94) Hexachlorobutadiene	15.117	225	24629	20.882	ug/l	96
95) Naphthalene	15.239	128	82023	19.562	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	37413	20.292	ug/l	99

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

