

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040622\
 Data File : VY008226.D
 Acq On : 06 Apr 2022 11:49
 Operator : SY/MD
 Sample : VY0406SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0406SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/07/2022
 Supervised By : Mahesh Dadoda 04/07/2022

Quant Time: Apr 07 02:09:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032522S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 26 03:24:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	144465	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	244090	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	218968	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	108001	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	66930	46.177	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.360%		
35) Dibromofluoromethane	7.716	113	73224	47.847	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.700%		
50) Toluene-d8	10.179	98	264838	45.933	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	91.860%		
62) 4-Bromofluorobenzene	12.483	95	91217	44.843	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	89.680%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	24506	18.818	ug/l	98
3) Chloromethane	2.113	50	32470	20.475	ug/l	95
4) Vinyl Chloride	2.253	62	43577	20.653	ug/l	100
5) Bromomethane	2.644	94	37486	21.678	ug/l	98
6) Chloroethane	2.790	64	29091	20.960	ug/l	99
7) Trichlorofluoromethane	3.125	101	49195	18.431	ug/l	97
8) Diethyl Ether	3.528	74	16929	19.586	ug/l	73
9) 1,1,2-Trichlorotrifluo...	3.899	101	30904	18.665	ug/l	92
10) Methyl Iodide	4.088	142	31743	17.554	ug/l	90
11) Tert butyl alcohol	4.954	59	13521	89.911	ug/l #	91
12) 1,1-Dichloroethene	3.869	96	28849	18.822	ug/l #	81
13) Acrolein	3.729	56	8838	72.205	ug/l	98
14) Allyl chloride	4.479	41	36808	18.252	ug/l #	91
15) Acrylonitrile	5.161	53	41799	101.523	ug/l	96
16) Acetone	3.948	43	31797	95.978	ug/l #	85
17) Carbon Disulfide	4.192	76	79649	18.339	ug/l	100
18) Methyl Acetate	4.473	43	19160	17.240	ug/l #	82
19) Methyl tert-butyl Ether	5.216	73	79764	18.312	ug/l	98
20) Methylene Chloride	4.716	84	45397	24.538	ug/l #	80
21) trans-1,2-Dichloroethene	5.216	96	33465	18.856	ug/l #	82
22) Diisopropyl ether	6.119	45	84799	19.545	ug/l #	92
23) Vinyl Acetate	6.058	43	269486	100.241	ug/l #	88
24) 1,1-Dichloroethane	6.015	63	55038	19.161	ug/l	97
25) 2-Butanone	6.984	43	49443	98.071	ug/l #	76
26) 2,2-Dichloropropane	6.978	77	49341	18.139	ug/l	92
27) cis-1,2-Dichloroethene	6.984	96	38995	18.956	ug/l	81
28) Bromochloromethane	7.332	49	19176	20.346	ug/l #	72
29) Tetrahydrofuran	7.344	42	33116	101.035	ug/l #	75
30) Chloroform	7.502	83	59740	19.208	ug/l	99
31) Cyclohexane	7.783	56	48305	17.829	ug/l #	81
32) 1,1,1-Trichloroethane	7.698	97	52660	18.325	ug/l	95
36) 1,1-Dichloropropene	7.917	75	44718	18.602	ug/l	97
37) Ethyl Acetate	7.070	43	22830	20.329	ug/l #	91
38) Carbon Tetrachloride	7.899	117	45740	17.460	ug/l	94
39) Methylcyclohexane	9.185	83	57661	17.770	ug/l #	86
40) Benzene	8.161	78	131453	19.117	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	11389m	20.197	ug/l	
42) 1,2-Dichloroethane	8.234	62	37439	19.409	ug/l	89
43) Isopropyl Acetate	8.271	43	40847	18.529	ug/l #	85
44) Trichloroethene	8.941	130	37224	18.720	ug/l	95
45) 1,2-Dichloropropane	9.216	63	31339	19.338	ug/l	97
46) Dibromomethane	9.301	93	20456	19.197	ug/l	94
47) Bromodichloromethane	9.496	83	44397	18.221	ug/l	98
48) Methyl methacrylate	9.295	41	17016	17.427	ug/l #	71
49) 1,4-Dioxane	9.301	88	5288	373.299	ug/l #	78
51) 4-Methyl-2-Pentanone	10.069	43	110414	99.303	ug/l #	84
52) Toluene	10.246	92	87025	19.298	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	46222	18.506	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	53363	18.873	ug/l #	81
55) 1,1,2-Trichloroethane	10.648	97	29086	19.768	ug/l	96
56) Ethyl methacrylate	10.508	69	35853	18.680	ug/l #	74
57) 1,3-Dichloropropane	10.788	76	46354	19.249	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.783	63	71596	90.032	ug/l #	89
59) 2-Hexanone	10.831	43	76275	98.035	ug/l	81
60) Dibromochloromethane	10.984	129	33209	18.558	ug/l	100
61) 1,2-Dibromoethane	11.087	107	28288	19.304	ug/l	99
64) Tetrachloroethene	10.721	164	31350	18.641	ug/l	98
65) Chlorobenzene	11.514	112	94955	19.232	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	33738	18.525	ug/l	96
67) Ethyl Benzene	11.593	91	163055	18.843	ug/l	94
68) m/p-Xylenes	11.703	106	129887	37.748	ug/l	92
69) o-Xylene	12.032	106	62128	18.858	ug/l	89
70) Styrene	12.044	104	102437	18.993	ug/l	94
71) Bromoform	12.209	173	19861	18.062	ug/l #	97
73) Isopropylbenzene	12.331	105	162727	18.254	ug/l	99
74) N-amyl acetate	12.148	43	35503	18.117	ug/l #	80
75) 1,1,2,2-Tetrachloroethane	12.581	83	34327	19.811	ug/l	97
76) 1,2,3-Trichloropropane	12.636	75	25535m	19.396	ug/l	
77) Bromobenzene	12.611	156	37462	18.318	ug/l	95
78) n-propylbenzene	12.672	91	195372	18.580	ug/l	99
79) 2-Chlorotoluene	12.758	91	107170	18.373	ug/l	96
80) 1,3,5-Trimethylbenzene	12.813	105	134568	18.426	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	10465	17.735	ug/l #	83
82) 4-Chlorotoluene	12.855	91	111482	18.626	ug/l	97
83) tert-Butylbenzene	13.075	119	118226	18.171	ug/l	93
84) 1,2,4-Trimethylbenzene	13.123	105	132518	18.634	ug/l	96
85) sec-Butylbenzene	13.258	105	179091	18.648	ug/l	100
86) p-Isopropyltoluene	13.373	119	147649	18.473	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	75754	18.683	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	76536	18.928	ug/l	98
89) n-Butylbenzene	13.696	91	136153	18.515	ug/l	99
90) Hexachloroethane	13.965	117	26971	17.416	ug/l	81
91) 1,2-Dichlorobenzene	13.739	146	67970	19.040	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	4582	16.568	ug/l	68
93) 1,2,4-Trichlorobenzene	15.007	180	38834	18.163	ug/l	98
94) Hexachlorobutadiene	15.117	225	20050	17.726	ug/l	99
95) Naphthalene	15.239	128	84902	17.965	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	34053	18.407	ug/l	97

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

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