

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041322\
 Data File : VY008305.D
 Acq On : 13 Apr 2022 12:03
 Operator : KP/MD
 Sample : VY0413SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0413SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/14/2022
 Supervised By : Mahesh Dadoda 04/14/2022

Quant Time: Apr 14 05:55:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y040822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 08 16:02:50 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	139075	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	237103	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	217117	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	101856	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	52892	40.488	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	80.980%		
35) Dibromofluoromethane	7.716	113	51802	37.826	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	75.660%		
50) Toluene-d8	10.179	98	175742	37.503	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	75.000%		
62) 4-Bromofluorobenzene	12.483	95	65915	37.398	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	74.800%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	21857	18.977	ug/l	97
3) Chloromethane	2.113	50	28066	17.944	ug/l	99
4) Vinyl Chloride	2.253	62	37785	19.071	ug/l	98
5) Bromomethane	2.644	94	35112	20.097	ug/l	97
6) Chloroethane	2.790	64	26258	18.922	ug/l	98
7) Trichlorofluoromethane	3.125	101	45741	19.402	ug/l	92
8) Diethyl Ether	3.534	74	14831	17.407	ug/l	71
9) 1,1,2-Trichlorotrifluo...	3.899	101	29034	18.959	ug/l	95
10) Methyl Iodide	4.094	142	29573	18.845	ug/l	92
11) Tert butyl alcohol	4.960	59	13638	97.651	ug/l	98
12) 1,1-Dichloroethene	3.875	96	25797	18.806	ug/l	84
13) Acrolein	3.735	56	6245	56.790	ug/l	99
14) Allyl chloride	4.479	41	33408	18.661	ug/l #	90
15) Acrylonitrile	5.161	53	37601	90.232	ug/l	99
16) Acetone	3.942	43	28368	90.283	ug/l	92
17) Carbon Disulfide	4.192	76	67767	18.726	ug/l	97
18) Methyl Acetate	4.472	43	17956	19.829	ug/l #	81
19) Methyl tert-butyl Ether	5.222	73	75920	17.934	ug/l #	90
20) Methylene Chloride	4.710	84	33348	14.595	ug/l #	78
21) trans-1,2-Dichloroethene	5.216	96	31496	19.164	ug/l #	81
22) Diisopropyl ether	6.119	45	78165	18.506	ug/l #	91
23) Vinyl Acetate	6.058	43	246672	90.133	ug/l #	86
24) 1,1-Dichloroethane	6.015	63	51859	19.128	ug/l	98
25) 2-Butanone	6.984	43	45877	93.375	ug/l #	71
26) 2,2-Dichloropropane	6.984	77	48250	19.325	ug/l	92
27) cis-1,2-Dichloroethene	6.984	96	36127	18.527	ug/l	83
28) Bromochloromethane	7.332	49	16553	15.929	ug/l #	73
29) Tetrahydrofuran	7.344	42	29907	94.280	ug/l #	71
30) Chloroform	7.508	83	56530	18.673	ug/l	100
31) Cyclohexane	7.783	56	45897	19.429	ug/l #	77
32) 1,1,1-Trichloroethane	7.697	97	50806	19.185	ug/l	95
36) 1,1-Dichloropropene	7.917	75	42087	19.246	ug/l	96
37) Ethyl Acetate	7.070	43	21407	18.985	ug/l #	91
38) Carbon Tetrachloride	7.905	117	44380	18.864	ug/l	93
39) Methylcyclohexane	9.185	83	55105	19.584	ug/l	87
40) Benzene	8.161	78	123256	18.927	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	11997m	19.018	ug/l	
42) 1,2-Dichloroethane	8.240	62	35350	18.711	ug/l	91
43) Isopropyl Acetate	8.271	43	38083	18.198	ug/l #	84
44) Trichloroethene	8.941	130	34468	18.572	ug/l	94
45) 1,2-Dichloropropane	9.216	63	29619	18.619	ug/l	96
46) Dibromomethane	9.307	93	19019	18.063	ug/l	94
47) Bromodichloromethane	9.496	83	43038	18.176	ug/l	96
48) Methyl methacrylate	9.295	41	16226	18.239	ug/l #	74
49) 1,4-Dioxane	9.301	88	5372	395.361	ug/l #	77
51) 4-Methyl-2-Pentanone	10.069	43	103027	95.342	ug/l #	84
52) Toluene	10.246	92	82026	19.118	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	44095	18.272	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	50069	18.391	ug/l #	82
55) 1,1,2-Trichloroethane	10.648	97	27558	18.348	ug/l	94
56) Ethyl methacrylate	10.508	69	33608	18.251	ug/l #	76
57) 1,3-Dichloropropane	10.788	76	43919	18.210	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	64749	89.268	ug/l	90
59) 2-Hexanone	10.831	43	71960	96.778	ug/l	79
60) Dibromochloromethane	10.983	129	30777	17.542	ug/l	99
61) 1,2-Dibromoethane	11.087	107	26269	17.889	ug/l	97
64) Tetrachloroethene	10.721	164	29441	19.239	ug/l	97
65) Chlorobenzene	11.514	112	88369	18.768	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	32145	18.295	ug/l	97
67) Ethyl Benzene	11.593	91	154419	19.285	ug/l	97
68) m/p-Xylenes	11.703	106	123961	38.927	ug/l	90
69) o-Xylene	12.032	106	59009	19.095	ug/l	91
70) Styrene	12.044	104	94873	18.615	ug/l	96
71) Bromoform	12.209	173	18133	17.121	ug/l #	99
73) Isopropylbenzene	12.331	105	156308	20.641	ug/l	100
74) N-amyl acetate	12.148	43	34670	21.087	ug/l #	82
75) 1,1,2,2-Tetrachloroethane	12.581	83	32084	20.023	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	20673m	18.351	ug/l	
77) Bromobenzene	12.611	156	35138	18.935	ug/l	95
78) n-propylbenzene	12.672	91	185453	20.754	ug/l	99
79) 2-Chlorotoluene	12.758	91	100570	20.054	ug/l	95
80) 1,3,5-Trimethylbenzene	12.812	105	126691	20.402	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	10202	20.263	ug/l #	84
82) 4-Chlorotoluene	12.855	91	105055	20.385	ug/l	96
83) tert-Butylbenzene	13.075	119	113257	20.331	ug/l	93
84) 1,2,4-Trimethylbenzene	13.123	105	123799	20.145	ug/l	95
85) sec-Butylbenzene	13.257	105	170782	20.679	ug/l	100
86) p-Isopropyltoluene	13.373	119	138539	20.102	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	69843	19.004	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	68992	18.967	ug/l	99
89) n-Butylbenzene	13.696	91	129734	20.835	ug/l	99
90) Hexachloroethane	13.965	117	25183	19.550	ug/l	81
91) 1,2-Dichlorobenzene	13.739	146	61822	18.907	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	4430	19.323	ug/l	72
93) 1,2,4-Trichlorobenzene	15.007	180	35263	18.234	ug/l	98
94) Hexachlorobutadiene	15.117	225	18771	19.119	ug/l	97
95) Naphthalene	15.239	128	75596	18.248	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	30076	17.771	ug/l	97

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

