

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040522\
 Data File : VY008200.D
 Acq On : 05 Apr 2022 11:21
 Operator : SY/MD
 Sample : VY0405SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0405SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/06/2022
 Supervised By : Mahesh Dadoda 04/06/2022

Quant Time: Apr 06 03:55:00 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	150093	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	240528	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	228958	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	110044	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	68890	45.747	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.500%
35) Dibromofluoromethane	7.722	113	73268	48.585	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.160%
50) Toluene-d8	10.178	98	270197	47.557	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	95.120%
62) 4-Bromofluorobenzene	12.483	95	92846	46.319	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	92.640%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	26155	19.331	ug/l	99
3) Chloromethane	2.113	50	34839	21.145	ug/l	96
4) Vinyl Chloride	2.253	62	44591	20.341	ug/l	94
5) Bromomethane	2.643	94	40520	22.554	ug/l	97
6) Chloroethane	2.796	64	29964	20.779	ug/l	100
7) Trichlorofluoromethane	3.125	101	51478	18.563	ug/l	89
8) Diethyl Ether	3.527	74	17004	18.935	ug/l	76
9) 1,1,2-Trichlorotrifluo...	3.905	101	32252	18.749	ug/l	93
10) Methyl Iodide	4.088	142	29482	15.873	ug/l	90
11) Tert butyl alcohol	4.954	59	13828	88.505	ug/l	97
12) 1,1-Dichloroethene	3.875	96	29893	18.771	ug/l #	79
13) Acrolein	3.734	56	10090	79.343	ug/l	98
14) Allyl chloride	4.478	41	40138	19.157	ug/l #	91
15) Acrylonitrile	5.161	53	41660	97.391	ug/l	98
16) Acetone	3.948	43	32458	94.299	ug/l #	85
17) Carbon Disulfide	4.192	76	85382	18.922	ug/l	100
18) Methyl Acetate	4.472	43	18936	15.983	ug/l #	80
19) Methyl tert-butyl Ether	5.222	73	83809	18.519	ug/l	96
20) Methylene Chloride	4.716	84	39483	19.696	ug/l #	76
21) trans-1,2-Dichloroethene	5.216	96	35633	19.325	ug/l	86
22) Diisopropyl ether	6.124	45	88771	19.693	ug/l #	87
23) Vinyl Acetate	6.057	43	280078	100.274	ug/l #	89
24) 1,1-Dichloroethane	6.021	63	57637	19.314	ug/l	97
25) 2-Butanone	6.984	43	50711	96.814	ug/l #	80
26) 2,2-Dichloropropane	6.978	77	52907	18.720	ug/l	94
27) cis-1,2-Dichloroethene	6.984	96	41385	19.363	ug/l	82
28) Bromochloromethane	7.331	49	19415	19.571	ug/l #	74
29) Tetrahydrofuran	7.344	42	33537	98.483	ug/l #	75
30) Chloroform	7.508	83	62318	19.285	ug/l	97
31) Cyclohexane	7.783	56	52452	18.634	ug/l #	83
32) 1,1,1-Trichloroethane	7.703	97	56363	18.878	ug/l	95
36) 1,1-Dichloropropene	7.917	75	46943	19.817	ug/l	96
37) Ethyl Acetate	7.075	43	22638	20.457	ug/l #	91
38) Carbon Tetrachloride	7.904	117	48667	18.852	ug/l	97
39) Methylcyclohexane	9.185	83	57780	18.071	ug/l	86
40) Benzene	8.161	78	137825	20.340	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	11049m	19.885	ug/l	
42) 1,2-Dichloroethane	8.240	62	38634	20.325	ug/l	89
43) Isopropyl Acetate	8.276	43	42922	19.758	ug/l #	86
44) Trichloroethene	8.941	130	36550	18.653	ug/l	97
45) 1,2-Dichloropropane	9.215	63	32559	20.388	ug/l	97
46) Dibromomethane	9.307	93	20575	19.595	ug/l	92
47) Bromodichloromethane	9.496	83	47016	19.581	ug/l	100
48) Methyl methacrylate	9.294	41	19169	19.923	ug/l #	78
49) 1,4-Dioxane	9.301	88	5452	390.576	ug/l #	75
51) 4-Methyl-2-Pentanone	10.075	43	112089	102.303	ug/l #	85
52) Toluene	10.246	92	90240	20.307	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	47623	19.349	ug/l	99
54) cis-1,3-Dichloropropene	9.928	75	54343	19.505	ug/l #	84
55) 1,1,2-Trichloroethane	10.648	97	28731	19.816	ug/l	99
56) Ethyl methacrylate	10.514	69	36348	19.218	ug/l #	76
57) 1,3-Dichloropropane	10.794	76	48034	20.242	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	72201	92.137	ug/l	93
59) 2-Hexanone	10.831	43	78057	101.811	ug/l	81
60) Dibromochloromethane	10.983	129	33935	19.244	ug/l	100
61) 1,2-Dibromoethane	11.093	107	28727	19.893	ug/l	100
64) Tetrachloroethene	10.721	164	31334	17.818	ug/l	97
65) Chlorobenzene	11.520	112	96903	18.771	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	34348	18.037	ug/l	96
67) Ethyl Benzene	11.593	91	170414	18.834	ug/l	97
68) m/p-Xylenes	11.709	106	135857	37.760	ug/l	91
69) o-Xylene	12.032	106	64043	18.591	ug/l	93
70) Styrene	12.044	104	108230	19.192	ug/l	93
71) Bromoform	12.209	173	20477	17.810	ug/l #	99
73) Isopropylbenzene	12.331	105	170350	18.754	ug/l	100
74) N-amyl acetate	12.148	43	35864	17.962	ug/l #	80
75) 1,1,2,2-Tetrachloroethane	12.587	83	34970	19.808	ug/l	98
76) 1,2,3-Trichloropropane	12.635	75	27612m	20.584	ug/l	
77) Bromobenzene	12.611	156	38636	18.541	ug/l	94
78) n-propylbenzene	12.672	91	205067	19.140	ug/l	99
79) 2-Chlorotoluene	12.757	91	113403	19.081	ug/l	96
80) 1,3,5-Trimethylbenzene	12.818	105	139475	18.744	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	11152	18.549	ug/l #	83
82) 4-Chlorotoluene	12.855	91	116549	19.112	ug/l	97
83) tert-Butylbenzene	13.074	119	127028	19.161	ug/l	92
84) 1,2,4-Trimethylbenzene	13.123	105	137686	19.001	ug/l	97
85) sec-Butylbenzene	13.257	105	187428	19.154	ug/l	100
86) p-Isopropyltoluene	13.373	119	155133	19.049	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	78502	19.002	ug/l	99
88) 1,4-Dichlorobenzene	13.452	146	77379	18.781	ug/l	99
89) n-Butylbenzene	13.696	91	143238	19.117	ug/l	99
90) Hexachloroethane	13.964	117	27977	17.730	ug/l	82
91) 1,2-Dichlorobenzene	13.745	146	68865	18.933	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	4883	17.329	ug/l	76
93) 1,2,4-Trichlorobenzene	15.007	180	38737	17.781	ug/l	99
94) Hexachlorobutadiene	15.117	225	20326	17.637	ug/l	98
95) Naphthalene	15.239	128	82810	17.197	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	33541	17.794	ug/l	98

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

