

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021920\
 Data File : VY001692.D
 Acq On : 19 Feb 2020 11:40
 Operator : SY/MD
 Sample : VY0219SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0219SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/20/2020 5:56:04 PM

Quant Time: Feb 19 13:57:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	175847	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	305996	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.50	117	277097	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	134326	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	85462	45.18	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	90.36%	
35) Dibromofluoromethane	7.74	113	77577	44.26	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	88.52%	
50) Toluene-d8	10.19	98	322549	46.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.96%	
62) 4-Bromofluorobenzene	12.49	95	112912	42.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	30164	17.597	ug/l	96
3) Chloromethane	2.13	50	42697	18.519	ug/l	99
4) Vinyl Chloride	2.27	62	42450	18.255	ug/l	98
5) Bromomethane	2.66	94	29704	20.438	ug/l	95
6) Chloroethane	2.81	64	27872	19.450	ug/l	95
7) Trichlorofluoromethane	3.15	101	56419	18.956	ug/l	95
8) Diethyl Ether	3.55	74	22453	19.137	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.93	101	36164	19.332	ug/l	98
10) Methyl Iodide	4.11	142	41748	18.235	ug/l	100
11) Tert butyl alcohol	4.99	59	25812	102.893	ug/l #	85
12) 1,1-Dichloroethene	3.90	96	36287	19.019	ug/l	97
13) Acrolein	3.76	56	18560	97.157	ug/l	99
14) Allyl chloride	4.51	41	64897	19.112	ug/l	98
15) Acrylonitrile	5.21	53	59343	98.675	ug/l	100
16) Acetone	3.98	43	53874	82.316	ug/l	95
17) Carbon Disulfide	4.22	76	117034	18.373	ug/l	98
18) Methyl Acetate	4.51	43	28804	20.209	ug/l	97
19) Methyl tert-butyl Ether	5.25	73	100625	18.942	ug/l	99
20) Methylene Chloride	4.75	84	43833	18.855	ug/l	93
21) trans-1,2-Dichloroethene	5.25	96	41673	19.144	ug/l	95
22) Diisopropyl ether	6.15	45	134698	19.316	ug/l	97
23) Vinyl Acetate	6.09	43	440175	96.770	ug/l	98
24) 1,1-Dichloroethane	6.05	63	72415	19.429	ug/l	99
25) 2-Butanone	7.01	43	80537	90.585	ug/l	97
26) 2,2-Dichloropropane	7.01	77	61244	18.887	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	46713	19.441	ug/l	97
28) Bromochloromethane	7.36	49	29635	19.088	ug/l	97
29) Tetrahydrofuran	7.37	42	52026	96.814	ug/l	99
30) Chloroform	7.53	83	69050	18.961	ug/l	99
31) Cyclohexane	7.80	56	75761	19.065	ug/l	93
32) 1,1,1-Trichloroethane	7.72	97	58560	19.132	ug/l	98
36) 1,1-Dichloropropene	7.94	75	57535	19.685	ug/l	99
37) Ethyl Acetate	7.10	43	34917	20.015	ug/l	99
38) Carbon Tetrachloride	7.92	117	49839	19.413	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	75925	19.580	ug/l	100
40) Benzene	8.18	78	170985	19.891	ug/l	98
41) Methacrylonitrile	7.34	41	19646m	22.429	ug/l	
42) 1,2-Dichloroethane	8.25	62	46759	19.966	ug/l	100
43) Isopropyl Acetate	8.28	43	67321	20.339	ug/l	98
44) Trichloroethene	8.95	130	41636	19.403	ug/l	95
45) 1,2-Dichloropropane	9.23	63	42590	19.783	ug/l	97
46) Dibromomethane	9.32	93	22293	19.798	ug/l	98
47) Bromodichloromethane	9.50	83	53435	19.662	ug/l	99
48) Methyl methacrylate	9.30	41	28949	19.338	ug/l	98
49) 1,4-Dioxane	9.32	88	6013	378.083	ug/l #	95
51) 4-Methyl-2-Pentanone	10.08	43	170650	100.345	ug/l	99
52) Toluene	10.25	92	104718	19.529	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	58586	19.500	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	67203	19.435	ug/l	98
55) 1,1,2-Trichloroethane	10.65	97	33127	19.952	ug/l	98
56) Ethyl methacrylate	10.52	69	49342	19.809	ug/l	95
57) 1,3-Dichloropropane	10.80	76	58381	19.789	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	129046	128.465	ug/l	99
59) 2-Hexanone	10.84	43	122300	95.846	ug/l	98
60) Dibromochloromethane	10.99	129	35010	19.125	ug/l	100
61) 1,2-Dibromoethane	11.10	107	30785	19.609	ug/l	98
64) Tetrachloroethene	10.72	164	33586	19.308	ug/l	96
65) Chlorobenzene	11.52	112	107579	19.446	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	37205	19.936	ug/l	98
67) Ethyl Benzene	11.60	91	202679	19.742	ug/l	99
68) m/p-Xylenes	11.71	106	153072	39.915	ug/l	97
69) o-Xylene	12.03	106	72178	19.797	ug/l	95
70) Styrene	12.05	104	124004	19.570	ug/l	99
71) Bromoform	12.21	173	20434	19.160	ug/l #	99
73) Isopropylbenzene	12.33	105	191689	18.732	ug/l	99
74) N-amyl acetate	12.15	43	62099	19.015	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.59	83	41937	19.193	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	28586m	18.552	ug/l	
77) Bromobenzene	12.61	156	41889	18.883	ug/l	95
78) n-propylbenzene	12.67	91	237464	19.053	ug/l	100
79) 2-Chlorotoluene	12.76	91	131034	18.746	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	160837	18.987	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	14521	17.878	ug/l	93
82) 4-Chlorotoluene	12.86	91	137330	18.627	ug/l	97
83) tert-Butylbenzene	13.08	119	134815	19.029	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	162646	19.259	ug/l	100
85) sec-Butylbenzene	13.26	105	198153	19.017	ug/l	99
86) p-Isopropyltoluene	13.38	119	175278	19.363	ug/l	98
87) 1,3-Dichlorobenzene	13.37	146	85193	19.802	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	83261	19.145	ug/l	99
89) n-Butylbenzene	13.70	91	176651	19.099	ug/l	100
90) Hexachloroethane	13.97	117	31945	18.731	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	74616	18.793	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	6441	17.862	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	51588	19.607	ug/l	99
94) Hexachlorobutadiene	15.12	225	25403	19.414	ug/l	99
95) Naphthalene	15.24	128	114982	18.953	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	44481	19.216	ug/l	98

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

