

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY032720\
 Data File : VY002096.D
 Acq On : 27 Mar 2020 11:49
 Operator : SY/MD
 Sample : VY0327SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0327SBS01

Manual Integrations
 APPROVED

apatel
 3/30/2020 1:10:12 PM

Quant Time: Mar 30 03:49:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 07:11:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	156300	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.69	114	284489	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	256388	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	120399	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	82643	47.83	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	95.66%	
35) Dibromofluoromethane	7.72	113	75601	47.43	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	94.86%	
50) Toluene-d8	10.18	98	311063	46.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.94%	
62) 4-Bromofluorobenzene	12.49	95	109772	47.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	32328	28.959	ug/l	99
3) Chloromethane	2.12	50	40668	22.265	ug/l	97
4) Vinyl Chloride	2.26	62	42084	22.654	ug/l	98
5) Bromomethane	2.65	94	27971	23.072	ug/l	98
6) Chloroethane	2.80	64	26705	22.388	ug/l	96
7) Trichlorofluoromethane	3.13	101	56878	22.343	ug/l	99
8) Diethyl Ether	3.53	74	23180	21.498	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.90	101	36563	21.891	ug/l	99
10) Methyl Iodide	4.10	142	38762	19.517	ug/l	99
11) Tert butyl alcohol	4.96	59	28821	141.545	ug/l #	92
12) 1,1-Dichloroethene	3.88	96	35823	21.122	ug/l	97
13) Acrolein	3.74	56	25091	98.593	ug/l	100
14) Allyl chloride	4.49	41	64892	20.901	ug/l	97
15) Acrylonitrile	5.18	53	58521	103.550	ug/l	98
16) Acetone	3.96	43	49868	102.728	ug/l	97
17) Carbon Disulfide	4.20	76	121628	21.610	ug/l	99
18) Methyl Acetate	4.49	43	25972	20.604	ug/l	98
19) Methyl tert-butyl Ether	5.23	73	98104	20.735	ug/l	99
20) Methylene Chloride	4.72	84	43814	18.581	ug/l	99
21) trans-1,2-Dichloroethene	5.23	96	40788	21.122	ug/l	97
22) Diisopropyl ether	6.13	45	133562	21.021	ug/l	90
23) Vinyl Acetate	6.07	43	437426	104.987	ug/l	100
24) 1,1-Dichloroethane	6.02	63	71402	21.135	ug/l	97
25) 2-Butanone	6.99	43	79354	106.459	ug/l	97
26) 2,2-Dichloropropane	6.99	77	59936	21.542	ug/l	98
27) cis-1,2-Dichloroethene	6.99	96	44123	20.770	ug/l	97
28) Bromochloromethane	7.35	49	30971	20.081	ug/l	98
29) Tetrahydrofuran	7.35	42	51145	104.654	ug/l	98
30) Chloroform	7.52	83	66326	20.713	ug/l	95
31) Cyclohexane	7.79	56	75800	21.057	ug/l	94
32) 1,1,1-Trichloroethane	7.71	97	55649	20.814	ug/l	100
36) 1,1-Dichloropropene	7.93	75	56455	20.980	ug/l	99
37) Ethyl Acetate	7.08	43	34939	21.486	ug/l	100
38) Carbon Tetrachloride	7.91	117	48101	21.069	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	74190	21.019	ug/l	99
40) Benzene	8.16	78	166718	20.916	ug/l	99
41) Methacrylonitrile	7.32	41	16077m	19.546	ug/l	
42) 1,2-Dichloroethane	8.24	62	44168	20.872	ug/l	100
43) Isopropyl Acetate	8.28	43	63080	20.901	ug/l	100
44) Trichloroethene	8.94	130	40479	21.068	ug/l	91
45) 1,2-Dichloropropane	9.22	63	41917	20.654	ug/l	97
46) Dibromomethane	9.31	93	21741	20.859	ug/l	98
47) Bromodichloromethane	9.50	83	50958	21.002	ug/l	100
48) Methyl methacrylate	9.30	41	28059	20.746	ug/l	99
49) 1,4-Dioxane	9.30	88	5963	416.919	ug/l #	87
51) 4-Methyl-2-Pentanone	10.07	43	172886	111.246	ug/l	100
52) Toluene	10.25	92	100309	20.807	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	54791	20.345	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	65063	20.520	ug/l	98
55) 1,1,2-Trichloroethane	10.65	97	31039	20.121	ug/l	96
56) Ethyl methacrylate	10.51	69	45898	20.371	ug/l	99
57) 1,3-Dichloropropane	10.80	76	56618	20.774	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	115648	99.892	ug/l	100
59) 2-Hexanone	10.83	43	118425	108.178	ug/l	98
60) Dibromochloromethane	10.99	129	33002	20.445	ug/l	98
61) 1,2-Dibromoethane	11.09	107	29694	20.566	ug/l	97
64) Tetrachloroethene	10.72	164	33981	21.663	ug/l	94
65) Chlorobenzene	11.52	112	103696	20.953	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	34157	20.630	ug/l	99
67) Ethyl Benzene	11.60	91	193295	21.029	ug/l	100
68) m/p-Xylenes	11.70	106	144486	42.514	ug/l	99
69) o-Xylene	12.03	106	67635	20.979	ug/l	100
70) Styrene	12.05	104	116295	20.817	ug/l	99
71) Bromoform	12.21	173	19139	21.105	ug/l #	98
73) Isopropylbenzene	12.33	105	181264	20.295	ug/l	99
74) N-amyl acetate	12.15	43	57928	20.565	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	40297	20.967	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	26685m	19.814	ug/l	
77) Bromobenzene	12.61	156	39708	20.827	ug/l	98
78) n-propylbenzene	12.67	91	224788	20.281	ug/l	100
79) 2-Chlorotoluene	12.76	91	122935	20.201	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	152289	20.667	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	14100	20.283	ug/l	93
82) 4-Chlorotoluene	12.86	91	131643	20.529	ug/l	100
83) tert-Butylbenzene	13.08	119	126207	20.519	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	152560	20.751	ug/l	98
85) sec-Butylbenzene	13.26	105	188641	20.707	ug/l	100
86) p-Isopropyltoluene	13.38	119	165122	21.106	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	78020	20.918	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	77714	20.706	ug/l	98
89) n-Butylbenzene	13.70	91	169999	20.855	ug/l	100
90) Hexachloroethane	13.97	117	30512	20.698	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	71954	20.890	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	6204	20.152	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	46595	20.988	ug/l	97
94) Hexachlorobutadiene	15.12	225	23146	21.121	ug/l	97
95) Naphthalene	15.24	128	108696	20.614	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	41252	20.491	ug/l	98

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

