

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121619\
 Data File : VY000948.D
 Acq On : 16 Dec 2019 12:14
 Operator : SY/MD
 Sample : VY1216SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1216SBS01

Manual Integrations
 APPROVED

apatel
 12/17/2019 12:49:50 PM

Quant Time: Dec 17 07:10:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:40:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	299570	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	519520	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	463921	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	217820	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	157594	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	
35) Dibromofluoromethane	7.72	113	154243	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	
50) Toluene-d8	10.18	98	629130	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	
62) 4-Bromofluorobenzene	12.48	95	218875	48.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	57468	17.821	ug/l	95
3) Chloromethane	2.12	50	76702	19.296	ug/l	97
4) Vinyl Chloride	2.25	62	72399	18.480	ug/l	96
5) Bromomethane	2.63	94	49204	19.301	ug/l	98
6) Chloroethane	2.79	64	44733	18.623	ug/l	98
7) Trichlorofluoromethane	3.12	101	106640	19.862	ug/l	90
8) Diethyl Ether	3.54	74	43230	21.393	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.91	101	68323	20.607	ug/l	99
10) Methyl Iodide	4.09	142	74206	17.776	ug/l	97
11) Tert butyl alcohol	4.97	59	33879	105.788	ug/l #	85
12) 1,1-Dichloroethene	3.88	96	68581	20.879	ug/l	97
13) Acrolein	3.74	56	32748	103.807	ug/l	96
14) Allyl chloride	4.49	41	113791	20.204	ug/l	97
15) Acrylonitrile	5.17	53	113991	109.243	ug/l	98
16) Acetone	3.95	43	75952	104.013	ug/l	99
17) Carbon Disulfide	4.19	76	209768	19.746	ug/l	98
18) Methyl Acetate	4.48	43	60326	19.758	ug/l	99
19) Methyl tert-butyl Ether	5.22	73	184334	21.014	ug/l	98
20) Methylene Chloride	4.72	84	88911	23.099	ug/l	97
21) trans-1,2-Dichloroethene	5.22	96	79510	21.297	ug/l	98
22) Diisopropyl ether	6.13	45	236903	20.466	ug/l	98
23) Vinyl Acetate	6.07	43	740479	105.224	ug/l	97
24) 1,1-Dichloroethane	6.03	63	131759	20.652	ug/l	100
25) 2-Butanone	7.00	43	138270	102.505	ug/l	95
26) 2,2-Dichloropropane	6.99	77	107642	20.046	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	83099	20.592	ug/l	98
28) Bromochloromethane	7.34	49	30351	14.467	ug/l	98
29) Tetrahydrofuran	7.36	42	97743	109.350	ug/l	99
30) Chloroform	7.52	83	123634	19.317	ug/l	96
31) Cyclohexane	7.79	56	132759	19.643	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	104245	19.725	ug/l	99
36) 1,1-Dichloropropene	7.93	75	102788	19.899	ug/l	98
37) Ethyl Acetate	7.08	43	65029	21.802	ug/l	99
38) Carbon Tetrachloride	7.91	117	91029	19.788	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	134934	19.716	ug/l	97
40) Benzene	8.17	78	312460	20.766	ug/l	100
41) Methacrylonitrile	7.33	41	34951m	22.233	ug/l	
42) 1,2-Dichloroethane	8.24	62	79381	20.061	ug/l	98
43) Isopropyl Acetate	8.28	43	116610	20.746	ug/l	99
44) Trichloroethene	8.94	130	83063	21.480	ug/l	98
45) 1,2-Dichloropropane	9.22	63	81285	21.507	ug/l	99
46) Dibromomethane	9.31	93	41462	20.996	ug/l	98
47) Bromodichloromethane	9.50	83	96078	20.711	ug/l	99
48) Methyl methacrylate	9.30	41	49664	20.093	ug/l	93
49) 1,4-Dioxane	9.30	88	12855	459.432	ug/l #	87
51) 4-Methyl-2-Pentanone	10.07	43	310751	107.003	ug/l	99
52) Toluene	10.24	92	191981	20.607	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	102756	20.618	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	125232	21.258	ug/l	95
55) 1,1,2-Trichloroethane	10.64	97	61915	21.222	ug/l	94
56) Ethyl methacrylate	10.51	69	89138	21.358	ug/l	98
57) 1,3-Dichloropropane	10.79	76	106454	20.935	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	188543	112.038	ug/l	99
59) 2-Hexanone	10.83	43	215555	101.861	ug/l	99
60) Dibromochloromethane	10.98	129	66721	21.244	ug/l	99
61) 1,2-Dibromoethane	11.08	107	57444	20.892	ug/l	98
64) Tetrachloroethene	10.72	164	87488	21.706	ug/l	95
65) Chlorobenzene	11.52	112	202157	20.963	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	68043	20.938	ug/l	100
67) Ethyl Benzene	11.59	91	371877	20.706	ug/l	98
68) m/p-Xylenes	11.70	106	275622	40.887	ug/l	100
69) o-Xylene	12.03	106	133748	21.280	ug/l	96
70) Styrene	12.04	104	227715	21.159	ug/l	98
71) Bromoform	12.20	173	38392	20.946	ug/l #	100
73) Isopropylbenzene	12.33	105	357965	20.640	ug/l	99
74) N-amyl acetate	12.14	43	101437	21.013	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	69661	20.385	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	59829m	24.243	ug/l	
77) Bromobenzene	12.61	156	77180	20.530	ug/l	99
78) n-propylbenzene	12.67	91	430689	20.338	ug/l	100
79) 2-Chlorotoluene	12.75	91	232726	19.893	ug/l	97
80) 1,3,5-Trimethylbenzene	12.81	105	298548	20.790	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	26337	20.963	ug/l	97
82) 4-Chlorotoluene	12.85	91	247747	20.555	ug/l	99
83) tert-Butylbenzene	13.07	119	246594	20.425	ug/l	100
84) 1,2,4-Trimethylbenzene	13.11	105	290315	20.208	ug/l	98
85) sec-Butylbenzene	13.25	105	365019	20.789	ug/l	99
86) p-Isopropyltoluene	13.36	119	319406	20.915	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	153214	20.775	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	154179	21.114	ug/l	99
89) n-Butylbenzene	13.69	91	324175	20.995	ug/l	100
90) Hexachloroethane	13.95	117	57746	20.526	ug/l	100
91) 1,2-Dichlorobenzene	13.74	146	140191	21.133	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	12207	21.337	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	97843	21.797	ug/l	100
94) Hexachlorobutadiene	15.11	225	48480	21.784	ug/l	99
95) Naphthalene	15.23	128	231717	22.231	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	89261	22.262	ug/l	98

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

