

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120919\
 Data File : VY000909.D
 Acq On : 09 Dec 2019 12:30
 Operator : SY/MD
 Sample : VY1209SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1209SBS01

Manual Integrations
 APPROVED

apatel
 12/10/2019 4:08:59 PM

Quant Time: Dec 10 06:59:24 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	337671	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	585585	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	516411	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	244430	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	166333	46.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.72%	
35) Dibromofluoromethane	7.73	113	162650	47.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.32%	
50) Toluene-d8	10.18	98	671373	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
62) 4-Bromofluorobenzene	12.48	95	233183	45.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	66642	18.334	ug/l	99
3) Chloromethane	2.11	50	79561	17.757	ug/l	99
4) Vinyl Chloride	2.25	62	80507	18.231	ug/l	99
5) Bromomethane	2.65	94	43268	14.838	ug/l	91
6) Chloroethane	2.79	64	48530	17.924	ug/l	99
7) Trichlorofluoromethane	3.13	101	121628	20.098	ug/l	90
8) Diethyl Ether	3.53	74	45262	19.871	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.91	101	75082	20.090	ug/l	99
10) Methyl Iodide	4.10	142	93267	19.822	ug/l	97
11) Tert butyl alcohol	4.99	59	32865	91.043	ug/l #	84
12) 1,1-Dichloroethene	3.88	96	74934	20.239	ug/l	85
13) Acrolein	3.73	56	37413	105.213	ug/l	100
14) Allyl chloride	4.49	41	121097	19.075	ug/l	98
15) Acrylonitrile	5.18	53	116439	98.998	ug/l	98
16) Acetone	3.96	43	80327	97.592	ug/l	99
17) Carbon Disulfide	4.19	76	232705	19.434	ug/l	98
18) Methyl Acetate	4.49	43	62582	18.184	ug/l	96
19) Methyl tert-butyl Ether	5.23	73	197440	19.968	ug/l	99
20) Methylene Chloride	4.72	84	101685	23.437	ug/l	90
21) trans-1,2-Dichloroethene	5.22	96	84755	20.141	ug/l	98
22) Diisopropyl ether	6.13	45	256831	19.684	ug/l	99
23) Vinyl Acetate	6.07	43	789717	99.559	ug/l	99
24) 1,1-Dichloroethane	6.03	63	141051	19.614	ug/l	99
25) 2-Butanone	7.00	43	142368	93.634	ug/l	96
26) 2,2-Dichloropropane	6.99	77	119607	19.761	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	92191	20.267	ug/l	96
28) Bromochloromethane	7.35	49	32694	13.915	ug/l	98
29) Tetrahydrofuran	7.36	42	98632	97.893	ug/l	99
30) Chloroform	7.52	83	137204	19.019	ug/l	97
31) Cyclohexane	7.79	56	146466	19.226	ug/l	90
32) 1,1,1-Trichloroethane	7.71	97	116947	19.631	ug/l	99
36) 1,1-Dichloropropene	7.93	75	115029	19.756	ug/l	99
37) Ethyl Acetate	7.08	43	65053	19.350	ug/l	99
38) Carbon Tetrachloride	7.91	117	101028	19.484	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	151108	19.589	ug/l	94
40) Benzene	8.17	78	336782	19.858	ug/l	97
41) Methacrylonitrile	7.33	41	33729m	19.035	ug/l	
42) 1,2-Dichloroethane	8.25	62	86211	19.329	ug/l	99
43) Isopropyl Acetate	8.28	43	122999	19.414	ug/l	99
44) Trichloroethene	8.94	130	88391	20.279	ug/l	99
45) 1,2-Dichloropropane	9.22	63	85881	20.160	ug/l	98
46) Dibromomethane	9.31	93	44582	20.029	ug/l	98
47) Bromodichloromethane	9.50	83	102133	19.533	ug/l	96
48) Methyl methacrylate	9.30	41	52330	18.783	ug/l	94
49) 1,4-Dioxane	9.31	88	12024	381.251	ug/l	92
51) 4-Methyl-2-Pentanone	10.07	43	318433	97.278	ug/l	98
52) Toluene	10.24	92	207994	19.807	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	112756	20.072	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	132656	19.978	ug/l	94
55) 1,1,2-Trichloroethane	10.64	97	66209	20.133	ug/l	97
56) Ethyl methacrylate	10.51	69	92925	19.753	ug/l	100
57) 1,3-Dichloropropane	10.79	76	119736	20.891	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.78	63	191740	101.084	ug/l	99
59) 2-Hexanone	10.83	43	221293	92.774	ug/l	99
60) Dibromochloromethane	10.99	129	69029	19.499	ug/l	98
61) 1,2-Dibromoethane	11.08	107	62848	20.279	ug/l	99
64) Tetrachloroethene	10.72	164	94178	20.990	ug/l	98
65) Chlorobenzene	11.51	112	216329	20.153	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.58	131	72622	20.075	ug/l	99
67) Ethyl Benzene	11.59	91	400169	20.017	ug/l	99
68) m/p-Xylenes	11.70	106	305971	40.776	ug/l	99
69) o-Xylene	12.03	106	143320	20.485	ug/l	99
70) Styrene	12.04	104	242457	20.239	ug/l	100
71) Bromoform	12.20	173	40781	19.988	ug/l #	99
73) Isopropylbenzene	12.33	105	381927	19.624	ug/l	99
74) N-amyl acetate	12.14	43	104553	19.301	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	75694	19.739	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	53442m	19.298	ug/l	
77) Bromobenzene	12.61	156	84626	20.060	ug/l	99
78) n-propylbenzene	12.67	91	472109	19.867	ug/l	100
79) 2-Chlorotoluene	12.75	91	261424	19.913	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	321331	19.941	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	28566	20.262	ug/l	98
82) 4-Chlorotoluene	12.85	91	274846	20.321	ug/l	98
83) tert-Butylbenzene	13.07	119	274592	20.268	ug/l	98
84) 1,2,4-Trimethylbenzene	13.11	105	321871	19.965	ug/l	100
85) sec-Butylbenzene	13.25	105	395550	20.075	ug/l	99
86) p-Isopropyltoluene	13.36	119	345090	20.136	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	165663	20.018	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	166253	20.289	ug/l	98
89) n-Butylbenzene	13.69	91	349223	20.155	ug/l	99
90) Hexachloroethane	13.95	117	62880	19.918	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	153726	20.651	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.35	75	12275	19.120	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	105153	20.875	ug/l	99
94) Hexachlorobutadiene	15.11	225	53165	21.288	ug/l	98
95) Naphthalene	15.23	128	250820	21.444	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	94709	21.050	ug/l	98

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

