

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120619\
 Data File : VY000896.D
 Acq On : 06 Dec 2019 13:12
 Operator : SY/MD
 Sample : VY1206SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1206SBS01

Manual Integrations
 APPROVED

apatel
 12/9/2019 11:24:11 AM

Quant Time: Dec 09 03:48:14 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	332544	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	585676	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	519241	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	244215	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	175102	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
35) Dibromofluoromethane	7.72	113	171377	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	
50) Toluene-d8	10.17	98	717066	52.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.10%	
62) 4-Bromofluorobenzene	12.48	95	244520	47.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	69136	19.313	ug/l	99
3) Chloromethane	2.11	50	85740	19.431	ug/l	98
4) Vinyl Chloride	2.25	62	86296	19.843	ug/l	97
5) Bromomethane	2.65	94	41999	14.613	ug/l	94
6) Chloroethane	2.79	64	46243	17.343	ug/l	96
7) Trichlorofluoromethane	3.12	101	125413	21.043	ug/l	92
8) Diethyl Ether	3.54	74	46481	20.721	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.89	101	79479	21.595	ug/l	98
10) Methyl Iodide	4.10	142	96832	20.896	ug/l	99
11) Tert butyl alcohol	5.00	59	30055m	84.542	ug/l	
12) 1,1-Dichloroethene	3.87	96	78109	21.422	ug/l	92
13) Acrolein	3.74	56	34941	99.776	ug/l	100
14) Allyl chloride	4.48	41	129792	20.760	ug/l	98
15) Acrylonitrile	5.18	53	112411	97.047	ug/l	98
16) Acetone	3.97	43	76341	94.179	ug/l	99
17) Carbon Disulfide	4.19	76	240445	20.389	ug/l	96
18) Methyl Acetate	4.49	43	61991	18.290	ug/l	96
19) Methyl tert-butyl Ether	5.22	73	201079	20.650	ug/l	98
20) Methylene Chloride	4.72	84	102252	23.931	ug/l	99
21) trans-1,2-Dichloroethene	5.22	96	87648	21.149	ug/l	95
22) Diisopropyl ether	6.13	45	264118	20.554	ug/l	99
23) Vinyl Acetate	6.07	43	812453	104.004	ug/l	99
24) 1,1-Dichloroethane	6.02	63	148387	20.952	ug/l	98
25) 2-Butanone	7.00	43	139541	93.190	ug/l	98
26) 2,2-Dichloropropane	6.98	77	123711	20.754	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	94227	21.034	ug/l	98
28) Bromochloromethane	7.34	49	33194	14.283	ug/l	95
29) Tetrahydrofuran	7.36	42	94173	94.909	ug/l	99
30) Chloroform	7.51	83	139705	19.664	ug/l	92
31) Cyclohexane	7.78	56	157488	20.991	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	122753	20.924	ug/l	99
36) 1,1-Dichloropropene	7.93	75	122724	21.074	ug/l	98
37) Ethyl Acetate	7.08	43	64624	19.219	ug/l	98
38) Carbon Tetrachloride	7.90	117	105072	20.260	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	155773	20.190	ug/l	96
40) Benzene	8.16	78	357580	21.081	ug/l	99
41) Methacrylonitrile	7.32	41	35966	20.294	ug/l #	47
42) 1,2-Dichloroethane	8.24	62	89449	20.052	ug/l	100
43) Isopropyl Acetate	8.28	43	120910	19.081	ug/l	99
44) Trichloroethene	8.94	130	92149	21.138	ug/l	89
45) 1,2-Dichloropropane	9.22	63	88296	20.723	ug/l	98
46) Dibromomethane	9.31	93	45993	20.660	ug/l	98
47) Bromodichloromethane	9.50	83	105573	20.187	ug/l	98
48) Methyl methacrylate	9.30	41	53382	19.158	ug/l	95
49) 1,4-Dioxane	9.33	88	11727	371.776	ug/l #	73
51) 4-Methyl-2-Pentanone	10.07	43	317417	96.952	ug/l	100
52) Toluene	10.24	92	225147	21.438	ug/l	98
53) t-1,3-Dichloropropene	10.46	75	115320	20.525	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	139084	20.943	ug/l	96
55) 1,1,2-Trichloroethane	10.64	97	68830	20.927	ug/l	99
56) Ethyl methacrylate	10.51	69	96197	20.445	ug/l	99
57) 1,3-Dichloropropane	10.79	76	118583	20.686	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	194255	102.394	ug/l	100
59) 2-Hexanone	10.83	43	216333	90.681	ug/l	99
60) Dibromochloromethane	10.98	129	71291	20.135	ug/l	98
61) 1,2-Dibromoethane	11.09	107	63086	20.352	ug/l	100
64) Tetrachloroethene	10.72	164	98420	21.816	ug/l	93
65) Chlorobenzene	11.51	112	227201	21.050	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	76019	20.900	ug/l	98
67) Ethyl Benzene	11.59	91	422872	21.037	ug/l	100
68) m/p-Xylenes	11.70	106	316373	41.932	ug/l	100
69) o-Xylene	12.02	106	148612	21.125	ug/l	99
70) Styrene	12.04	104	249518	20.714	ug/l	99
71) Bromoform	12.20	173	40779	19.878	ug/l #	99
73) Isopropylbenzene	12.33	105	396735	20.403	ug/l	100
74) N-amyl acetate	12.14	43	104615	19.329	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	74172	19.359	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	51603m	18.650	ug/l	
77) Bromobenzene	12.61	156	86973	20.634	ug/l	99
78) n-propylbenzene	12.67	91	493502	20.786	ug/l	99
79) 2-Chlorotoluene	12.75	91	266296	20.302	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	331883	20.614	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	26827	19.045	ug/l	97
82) 4-Chlorotoluene	12.85	91	282635	20.915	ug/l	97
83) tert-Butylbenzene	13.07	119	271339	20.046	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	330117	20.494	ug/l	99
85) sec-Butylbenzene	13.25	105	406232	20.636	ug/l	99
86) p-Isopropyltoluene	13.36	119	354467	20.702	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	172084	20.812	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	170965	20.882	ug/l	99
89) n-Butylbenzene	13.69	91	361466	20.880	ug/l	99
90) Hexachloroethane	13.95	117	65303	20.704	ug/l	98
91) 1,2-Dichlorobenzene	13.73	146	154135	20.724	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	12853	20.038	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	106982	21.257	ug/l	98
94) Hexachlorobutadiene	15.11	225	52252	20.941	ug/l	97
95) Naphthalene	15.23	128	244906	20.957	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	92762	20.635	ug/l	99

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

