

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111919\
 Data File : VY000739.D
 Acq On : 19 Nov 2019 12:41
 Operator : SY/MD
 Sample : VY1119SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1119SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/20/2019 9:57:24 AM

Quant Time: Nov 19 15:43:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	212066	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	358805	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	320043	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	160571	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	120919	55.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.20%	
35) Dibromofluoromethane	7.72	113	106461	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	
50) Toluene-d8	10.18	98	423513	52.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.98%	
62) 4-Bromofluorobenzene	12.48	95	150644	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	38618	18.499	ug/l	98
3) Chloromethane	2.12	50	53209	18.503	ug/l	96
4) Vinyl Chloride	2.25	62	52000	19.472	ug/l	99
5) Bromomethane	2.64	94	38206	23.858	ug/l	91
6) Chloroethane	2.79	64	34216	20.472	ug/l	100
7) Trichlorofluoromethane	3.13	101	74053	20.534	ug/l	100
8) Diethyl Ether	3.53	74	28444	22.197	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.90	101	44319	20.327	ug/l	99
10) Methyl Iodide	4.09	142	49003	19.182	ug/l	97
11) Tert butyl alcohol	4.96	59	22369	104.708	ug/l #	85
12) 1,1-Dichloroethene	3.88	96	43233	20.409	ug/l	91
13) Acrolein	3.73	56	13865	74.509	ug/l	96
14) Allyl chloride	4.48	41	73590	21.365	ug/l	99
15) Acrylonitrile	5.18	53	71380	108.737	ug/l	99
16) Acetone	3.95	43	55025	90.972	ug/l	97
17) Carbon Disulfide	4.19	76	125394	18.768	ug/l	100
18) Methyl Acetate	4.49	43	39297	20.895	ug/l	98
19) Methyl tert-butyl Ether	5.22	73	123332	20.940	ug/l	96
20) Methylene Chloride	4.72	84	53575	20.671	ug/l	95
21) trans-1,2-Dichloroethene	5.22	96	50478	21.078	ug/l	95
22) Diisopropyl ether	6.13	45	161880	21.622	ug/l	93
23) Vinyl Acetate	6.07	43	513596	108.674	ug/l	96
24) 1,1-Dichloroethane	6.02	63	86093	21.227	ug/l	95
25) 2-Butanone	6.99	43	95753	99.193	ug/l	99
26) 2,2-Dichloropropane	6.99	77	76343	20.597	ug/l	97
27) cis-1,2-Dichloroethene	6.99	96	56866	21.716	ug/l	98
28) Bromochloromethane	7.34	49	22125	15.075	ug/l	89
29) Tetrahydrofuran	7.35	42	63269	107.137	ug/l	99
30) Chloroform	7.51	83	91877	22.393	ug/l	95
31) Cyclohexane	7.79	56	85667	20.166	ug/l #	94
32) 1,1,1-Trichloroethane	7.71	97	77735	21.258	ug/l	100
36) 1,1-Dichloropropene	7.93	75	72273	21.307	ug/l	97
37) Ethyl Acetate	7.08	43	42548	21.128	ug/l	98
38) Carbon Tetrachloride	7.91	117	69270	21.223	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	88486	20.192	ug/l	96
40) Benzene	8.16	78	206166	20.732	ug/l	98
41) Methacrylonitrile	7.33	41	29307m	26.087	ug/l	
42) 1,2-Dichloroethane	8.24	62	59718	21.173	ug/l	99
43) Isopropyl Acetate	8.28	43	77183	20.403	ug/l	99
44) Trichloroethene	8.94	130	57114	21.783	ug/l	90
45) 1,2-Dichloropropane	9.22	63	51215	20.925	ug/l	94
46) Dibromomethane	9.32	93	28520	21.188	ug/l	98
47) Bromodichloromethane	9.50	83	67052	20.994	ug/l	96
48) Methyl methacrylate	9.30	41	37026	22.401	ug/l	93
49) 1,4-Dioxane	9.31	88	7232	399.211	ug/l #	85
51) 4-Methyl-2-Pentanone	10.07	43	212039	105.423	ug/l	99
52) Toluene	10.24	92	127757	20.320	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	71948	21.083	ug/l	96
54) cis-1,3-Dichloropropene	9.93	75	80968	20.710	ug/l	94
55) 1,1,2-Trichloroethane	10.64	97	40867	20.991	ug/l	93
56) Ethyl methacrylate	10.51	69	60397	21.888	ug/l	97
57) 1,3-Dichloropropane	10.79	76	73452	21.556	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.78	63	130439	104.561	ug/l	100
59) 2-Hexanone	10.83	43	148581	101.391	ug/l	98
60) Dibromochloromethane	10.99	129	46394	20.804	ug/l	98
61) 1,2-Dibromoethane	11.09	107	39303	20.996	ug/l	99
64) Tetrachloroethene	10.72	164	55836	21.099	ug/l	98
65) Chlorobenzene	11.52	112	135696	20.912	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	46354	20.598	ug/l	95
67) Ethyl Benzene	11.59	91	251966	21.099	ug/l	98
68) m/p-Xylenes	11.70	106	191774	41.490	ug/l	96
69) o-Xylene	12.03	106	90647	20.867	ug/l	99
70) Styrene	12.05	104	155608	20.919	ug/l	99
71) Bromoform	12.20	173	26121	20.180	ug/l #	97
73) Isopropylbenzene	12.33	105	244573	20.609	ug/l	100
74) N-amyl acetate	12.14	43	70578	20.766	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	49623	21.118	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	43137m	23.594	ug/l	
77) Bromobenzene	12.61	156	55512	20.627	ug/l	98
78) n-propylbenzene	12.67	91	298564	20.851	ug/l	100
79) 2-Chlorotoluene	12.75	91	161904	20.367	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	204517	20.692	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	16115	19.762	ug/l	92
82) 4-Chlorotoluene	12.85	91	172552	20.940	ug/l	99
83) tert-Butylbenzene	13.07	119	173952	20.613	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	205314	20.863	ug/l	98
85) sec-Butylbenzene	13.25	105	250976	20.874	ug/l	98
86) p-Isopropyltoluene	13.37	119	224848	20.983	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	110314	20.928	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	108481	20.595	ug/l	99
89) n-Butylbenzene	13.69	91	220468	20.860	ug/l	99
90) Hexachloroethane	13.96	117	39225	19.800	ug/l	100
91) 1,2-Dichlorobenzene	13.73	146	100022	20.914	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	7933	19.076	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	67342	20.680	ug/l	98
94) Hexachlorobutadiene	15.11	225	34431	20.511	ug/l	97
95) Naphthalene	15.23	128	148082	20.484	ug/l	97
96) 1,2,3-Trichlorobenzene	15.42	180	61324	20.990	ug/l	99

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

