

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112119\
 Data File : VY000764.D
 Acq On : 21 Nov 2019 13:52
 Operator : SY/MD
 Sample : VY1121SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1121SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/23/2019 6:11:08 AM

Quant Time: Nov 22 03:49:25 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	335702	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	587278	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	523945	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	243512	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	170716	49.14	ug/l	0.00
Spiked Amount			Recovery	=	98.28%	
35) Dibromofluoromethane	7.72	113	162310	47.08	ug/l	0.00
Spiked Amount			Recovery	=	94.16%	
50) Toluene-d8	10.18	98	675587	51.64	ug/l	0.00
Spiked Amount			Recovery	=	103.28%	
62) 4-Bromofluorobenzene	12.48	95	239000	47.99	ug/l	0.00
Spiked Amount			Recovery	=	95.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	60151	18.202	ug/l	99
3) Chloromethane	2.11	50	80788	17.747	ug/l	98
4) Vinyl Chloride	2.25	62	80550	19.054	ug/l	97
5) Bromomethane	2.65	94	51146	20.176	ug/l	97
6) Chloroethane	2.79	64	52717	19.925	ug/l	95
7) Trichlorofluoromethane	3.13	101	118547	20.765	ug/l	91
8) Diethyl Ether	3.54	74	46626	22.985	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.90	101	75792	21.959	ug/l	94
10) Methyl Iodide	4.09	142	86404	21.001	ug/l	98
11) Tert butyl alcohol	4.97	59	32803	96.999	ug/l	97
12) 1,1-Dichloroethene	3.88	96	75922	22.641	ug/l	92
13) Acrolein	3.73	56	23724	80.537	ug/l	97
14) Allyl chloride	4.48	41	125765	23.065	ug/l	95
15) Acrylonitrile	5.17	53	119364	114.866	ug/l	100
16) Acetone	3.96	43	86879	90.736	ug/l	96
17) Carbon Disulfide	4.19	76	218414	20.651	ug/l	98
18) Methyl Acetate	4.48	43	63490	21.326	ug/l	98
19) Methyl tert-butyl Ether	5.22	73	204294	21.912	ug/l	97
20) Methylene Chloride	4.72	84	91054	22.193	ug/l	98
21) trans-1,2-Dichloroethene	5.22	96	81860	21.593	ug/l	94
22) Diisopropyl ether	6.12	45	270525	22.826	ug/l	92
23) Vinyl Acetate	6.07	43	834447	111.537	ug/l	95
24) 1,1-Dichloroethane	6.02	63	149088	23.221	ug/l	99
25) 2-Butanone	6.99	43	150722	98.634	ug/l	97
26) 2,2-Dichloropropane	6.99	77	126688	21.592	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	96135	23.191	ug/l	97
28) Bromochloromethane	7.34	49	36179	15.437	ug/l	98
29) Tetrahydrofuran	7.35	42	101528	108.605	ug/l	98
30) Chloroform	7.51	83	150044	23.101	ug/l	90
31) Cyclohexane	7.78	56	147447	21.926	ug/l	96
32) 1,1,1-Trichloroethane	7.71	97	121458	20.982	ug/l	98
36) 1,1-Dichloropropene	7.92	75	116584	20.999	ug/l	100
37) Ethyl Acetate	7.08	43	67099	20.357	ug/l #	94
38) Carbon Tetrachloride	7.91	117	107495	20.122	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	149401	20.830	ug/l	99
40) Benzene	8.16	78	342753	21.058	ug/l	96
41) Methacrylonitrile	7.33	41	34281m	18.643	ug/l	
42) 1,2-Dichloroethane	8.24	62	90634	19.633	ug/l	99
43) Isopropyl Acetate	8.28	43	127970	20.668	ug/l	99
44) Trichloroethene	8.94	130	89148	20.773	ug/l	99
45) 1,2-Dichloropropane	9.22	63	89603	22.367	ug/l	92
46) Dibromomethane	9.30	93	43749	19.857	ug/l	97
47) Bromodichloromethane	9.50	83	108577	20.770	ug/l	99
48) Methyl methacrylate	9.29	41	54537	20.159	ug/l	96
49) 1,4-Dioxane	9.30	88	11697	394.488	ug/l	92
51) 4-Methyl-2-Pentanone	10.07	43	334009	101.460	ug/l	96
52) Toluene	10.24	92	215120	20.904	ug/l	99
53) t-1,3-Dichloropropene	10.46	75	116348	20.830	ug/l	98
54) cis-1,3-Dichloropropene	9.92	75	134094	20.956	ug/l	95
55) 1,1,2-Trichloroethane	10.64	97	67101	21.057	ug/l	97
56) Ethyl methacrylate	10.51	69	98045	21.708	ug/l	90
57) 1,3-Dichloropropane	10.79	76	119830	21.486	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	228065	111.696	ug/l	98
59) 2-Hexanone	10.83	43	227999	95.056	ug/l	95
60) Dibromochloromethane	10.98	129	71662	19.633	ug/l	97
61) 1,2-Dibromoethane	11.09	107	64569	21.074	ug/l	97
64) Tetrachloroethene	10.72	164	93128	21.496	ug/l	94
65) Chlorobenzene	11.52	112	225572	21.235	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	75022	20.363	ug/l	98
67) Ethyl Benzene	11.59	91	420593	21.513	ug/l	98
68) m/p-Xylenes	11.70	106	313649	41.450	ug/l	96
69) o-Xylene	12.03	106	148868	20.933	ug/l	95
70) Styrene	12.04	104	248711	20.424	ug/l	98
71) Bromoform	12.20	173	41952	19.798	ug/l #	99
73) Isopropylbenzene	12.33	105	401233	22.294	ug/l	99
74) N-amyl acetate	12.14	43	105814	20.529	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.58	83	79304	22.254	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	54594m	19.690	ug/l	
77) Bromobenzene	12.60	156	85363	20.916	ug/l	93
78) n-propylbenzene	12.67	91	497525	22.911	ug/l	98
79) 2-Chlorotoluene	12.75	91	266960	22.144	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	338113	22.557	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	27950	22.602	ug/l	93
82) 4-Chlorotoluene	12.85	91	282498	22.606	ug/l	99
83) tert-Butylbenzene	13.07	119	285525	22.310	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	351452	23.549	ug/l	99
85) sec-Butylbenzene	13.25	105	416537	22.844	ug/l	99
86) p-Isopropyltoluene	13.37	119	357297	21.986	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	171757	21.486	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	171862	21.515	ug/l	99
89) n-Butylbenzene	13.69	91	367150	22.906	ug/l	100
90) Hexachloroethane	13.95	117	65870	21.925	ug/l	94
91) 1,2-Dichlorobenzene	13.74	146	158647	21.873	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	12417	19.689	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	108178	21.905	ug/l	97
94) Hexachlorobutadiene	15.11	225	54201	21.291	ug/l	96
95) Naphthalene	15.23	128	247022	22.532	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	95842	21.632	ug/l	99

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

