

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY111519\
 Data File : VY000691.D
 Acq On : 15 Nov 2019 11:32
 Operator : SY/MD
 Sample : VY1115SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1115SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/18/2019 3:24:15 PM

Quant Time: Nov 16 02:42:26 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	212798	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	347072	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	308966	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	150570	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.14	65	109087	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	
35) Dibromofluoromethane	7.72	113	102180	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	
50) Toluene-d8	10.18	98	410672	53.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.24%	
62) 4-Bromofluorobenzene	12.48	95	138226	46.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.92%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.90	85	40810	19.482 ug/l	93
3) Chloromethane	2.11	50	57361	19.878 ug/l	95
4) Vinyl Chloride	2.25	62	52922	19.749 ug/l	95
5) Bromomethane	2.65	94	45348	28.221 ug/l	92
6) Chloroethane	2.79	64	35231	21.007 ug/l	97
7) Trichlorofluoromethane	3.13	101	81505	22.522 ug/l	96
8) Diethyl Ether	3.53	74	24474	19.033 ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.91	101	44778	20.467 ug/l	98
10) Methyl Iodide	4.10	142	27382	12.099 ug/l	98
11) Tert butyl alcohol	4.98	59	14409	67.216 ug/l	98
12) 1,1-Dichloroethene	3.88	96	44175	20.782 ug/l	94
13) Acrolein	3.74	56	11656	62.423 ug/l	99
14) Allyl chloride	4.49	41	72864	21.081 ug/l	99
15) Acrylonitrile	5.18	53	57204	86.842 ug/l	99
16) Acetone	3.96	43	45588	75.110 ug/l	91
17) Carbon Disulfide	4.19	76	130630	19.485 ug/l	96
18) Methyl Acetate	4.49	43	30861	16.353 ug/l	99
19) Methyl tert-butyl Ether	5.23	73	112706	19.070 ug/l	99
20) Methylene Chloride	4.72	84	59592	22.914 ug/l	96
21) trans-1,2-Dichloroethene	5.22	96	49758	20.706 ug/l	94
22) Diisopropyl ether	6.13	45	155103	20.646 ug/l	92
23) Vinyl Acetate	6.07	43	446942	94.245 ug/l	98
24) 1,1-Dichloroethane	6.03	63	86709	21.305 ug/l	98
25) 2-Butanone	6.99	43	73430	75.807 ug/l	97
26) 2,2-Dichloropropane	6.99	77	80140	21.547 ug/l	95
27) cis-1,2-Dichloroethene	6.99	96	54643	20.795 ug/l	97
28) Bromochloromethane	7.35	49	20380	14.174 ug/l	98
29) Tetrahydrofuran	7.36	42	47716	80.522 ug/l	98
30) Chloroform	7.52	83	89976	21.854 ug/l	95
31) Cyclohexane	7.79	56	86684	20.335 ug/l #	93
32) 1,1,1-Trichloroethane	7.71	97	79519	21.671 ug/l	99
36) 1,1-Dichloropropene	7.93	75	69265	21.111 ug/l	100
37) Ethyl Acetate	7.09	43	32705	16.789 ug/l #	95
38) Carbon Tetrachloride	7.91	117	68026	21.547 ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	87996	20.759	ug/l	97
40) Benzene	8.17	78	202365	21.037	ug/l	97
41) Methacrylonitrile	7.32	41	15473m	14.239	ug/l	
42) 1,2-Dichloroethane	8.25	62	56039	20.540	ug/l	100
43) Isopropyl Acetate	8.28	43	64764	17.699	ug/l	99
44) Trichloroethene	8.94	130	52572	20.728	ug/l	98
45) 1,2-Dichloropropane	9.22	63	50680	21.407	ug/l	95
46) Dibromomethane	9.31	93	26218	20.136	ug/l	98
47) Bromodichloromethane	9.50	83	64735	20.954	ug/l	95
48) Methyl methacrylate	9.30	41	29237	18.287	ug/l	95
49) 1,4-Dioxane	9.32	88	5787	330.245	ug/l	89
51) 4-Methyl-2-Pentanone	10.07	43	158355	81.394	ug/l	99
52) Toluene	10.25	92	131021	21.544	ug/l	97
53) t-1,3-Dichloropropene	10.47	75	65458	19.829	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	78427	20.739	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	37160	19.732	ug/l	94
56) Ethyl methacrylate	10.51	69	46698	17.495	ug/l	95
57) 1,3-Dichloropropane	10.79	76	64872	19.682	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.78	63	98851	81.919	ug/l	98
59) 2-Hexanone	10.83	43	105812	74.646	ug/l	100
60) Dibromochloromethane	10.99	129	41445	19.213	ug/l	98
61) 1,2-Dibromoethane	11.09	107	35893	19.823	ug/l	98
64) Tetrachloroethene	10.72	164	53954	21.119	ug/l	94
65) Chlorobenzene	11.52	112	134828	21.524	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.59	131	45116	20.767	ug/l	99
67) Ethyl Benzene	11.60	91	245408	21.286	ug/l	98
68) m/p-Xylenes	11.70	106	190711	42.740	ug/l	98
69) o-Xylene	12.03	106	88365	21.071	ug/l	99
70) Styrene	12.05	104	150480	20.955	ug/l	98
71) Bromoform	12.20	173	22894	18.321	ug/l #	98
73) Isopropylbenzene	12.33	105	241746	21.724	ug/l	100
74) N-amyl acetate	12.14	43	50850	15.955	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	41444	18.809	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	31431m	18.333	ug/l	
77) Bromobenzene	12.61	156	52606	20.846	ug/l	99
78) n-propylbenzene	12.67	91	292624	21.793	ug/l	98
79) 2-Chlorotoluene	12.75	91	162157	21.754	ug/l	97
80) 1,3,5-Trimethylbenzene	12.81	105	198440	21.411	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	13665	17.871	ug/l	98
82) 4-Chlorotoluene	12.85	91	168297	21.781	ug/l	99
83) tert-Butylbenzene	13.08	119	174014	21.989	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	204755	22.189	ug/l	99
85) sec-Butylbenzene	13.25	105	249095	22.094	ug/l	99
86) p-Isopropyltoluene	13.37	119	225086	22.400	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	104936	21.230	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	104086	21.073	ug/l	99
89) n-Butylbenzene	13.70	91	222413	22.442	ug/l	99
90) Hexachloroethane	13.96	117	39874	21.465	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	94638	21.102	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	6618	16.971	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	64533	21.133	ug/l	99
94) Hexachlorobutadiene	15.11	225	33985	21.590	ug/l	97
95) Naphthalene	15.23	128	128362	18.936	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	57775	21.089	ug/l	97

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

